

FIG. 1

Reader Network / Site

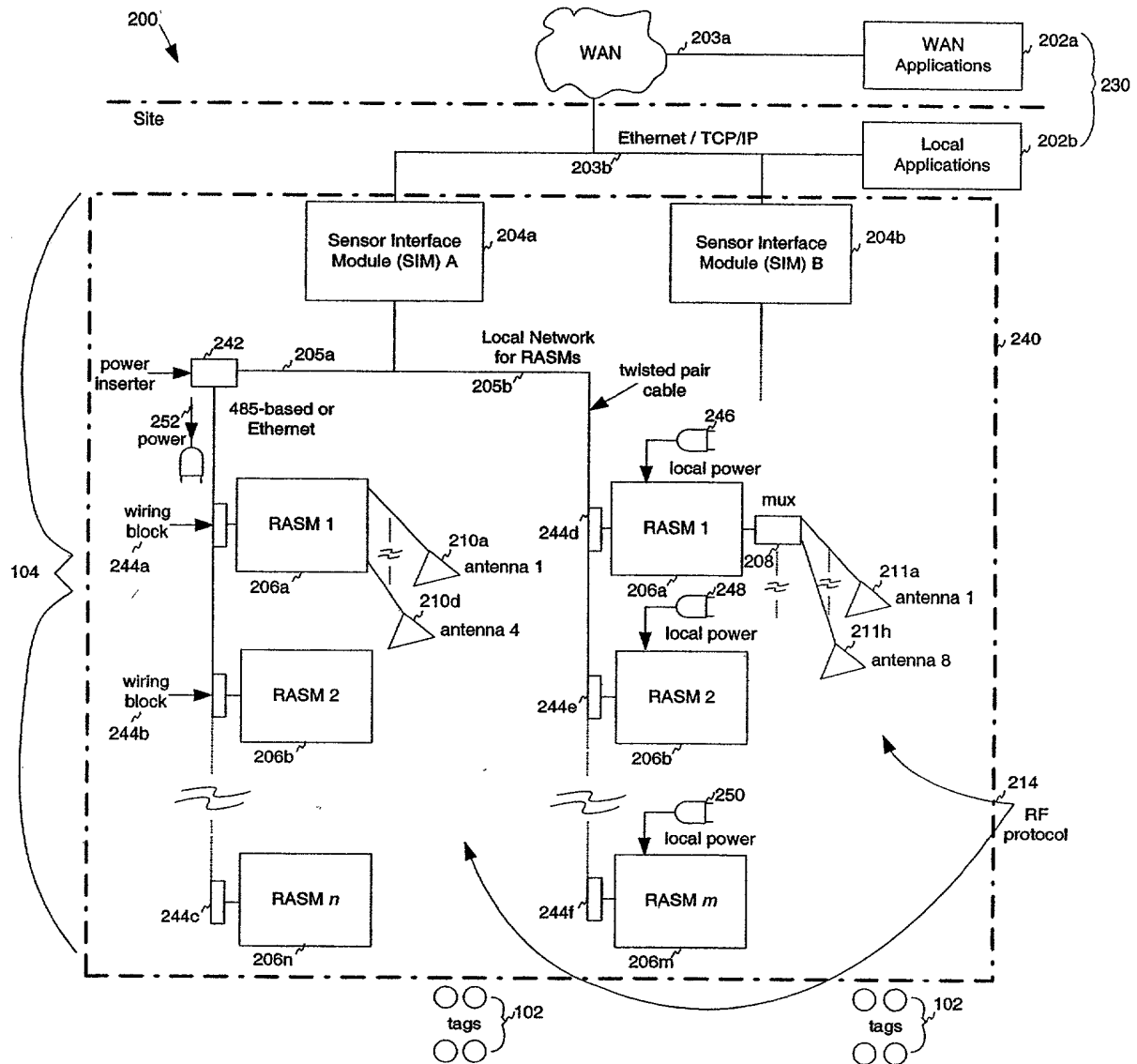


FIG. 2

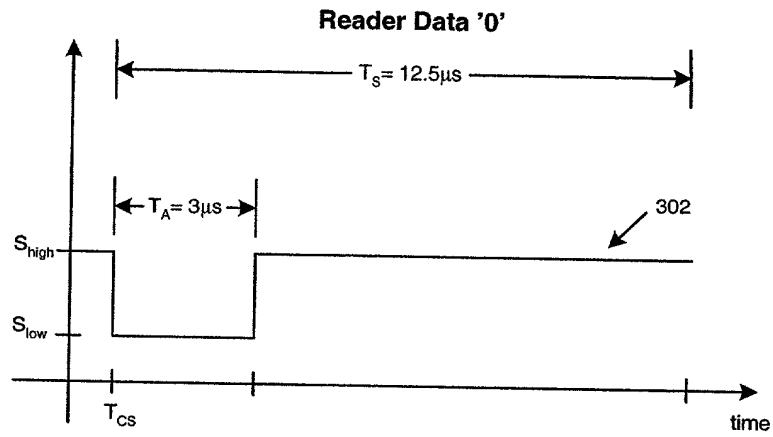


FIG. 3

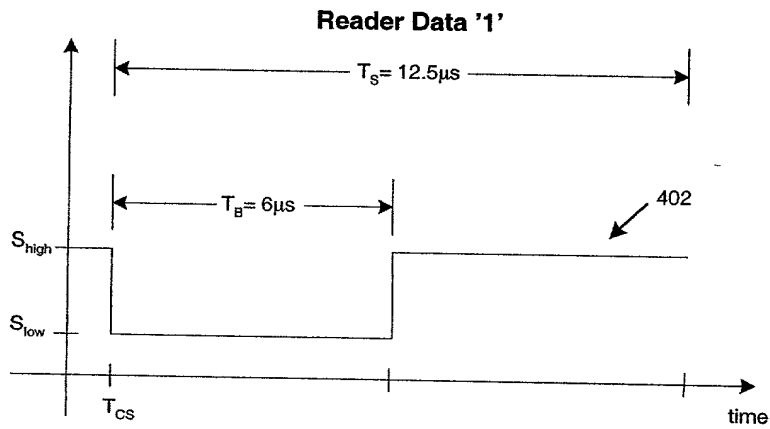


FIG. 4

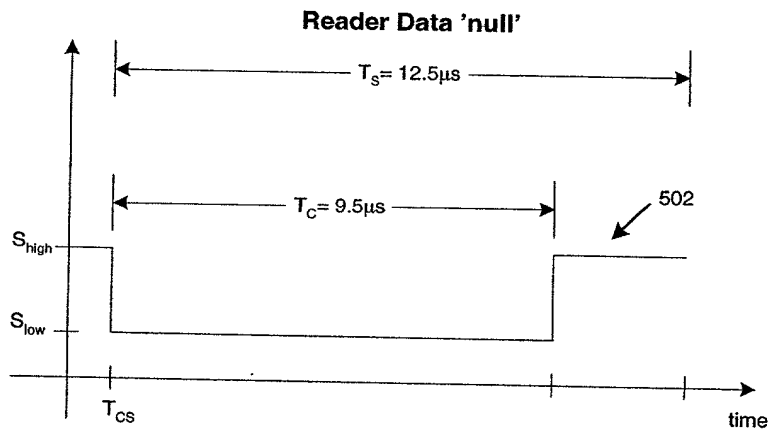


FIG. 5

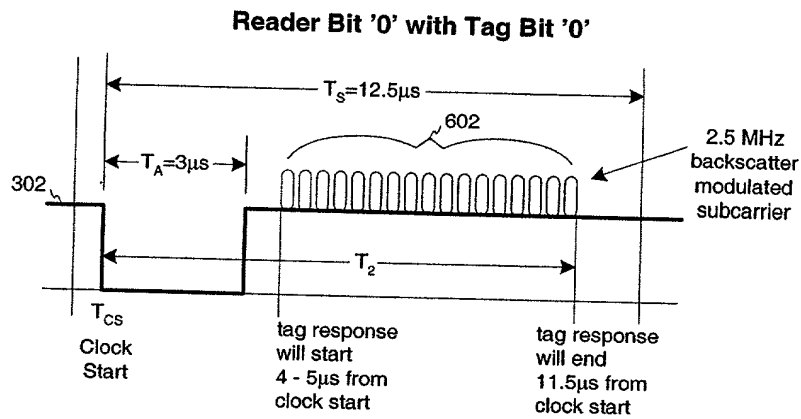


FIG. 6

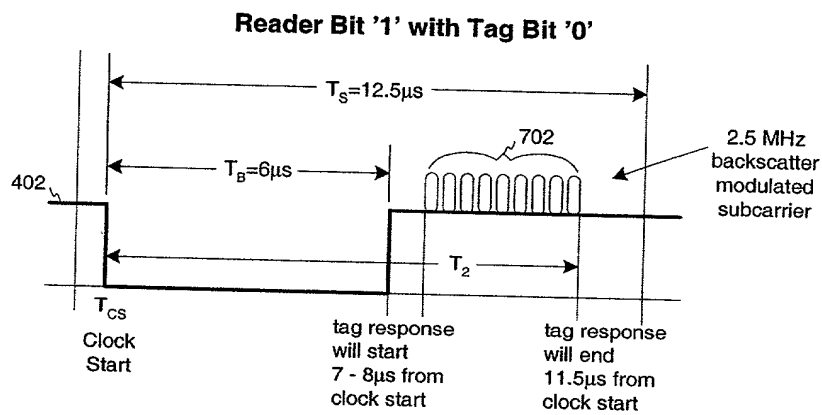


FIG. 7

Reader Bit '0' with Tag Bit '1'

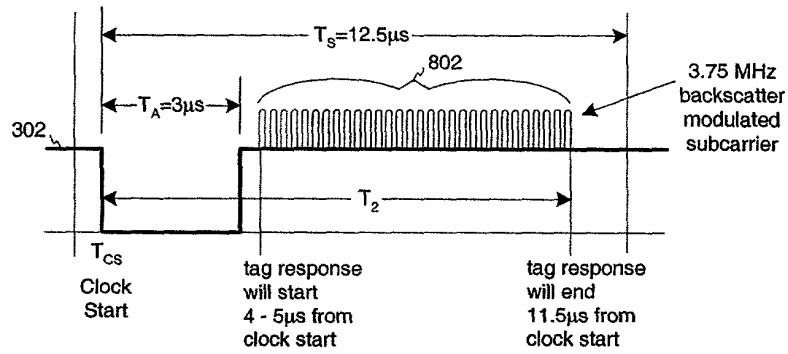


FIG. 8

Reader Bit '1' with Tag Bit '1'

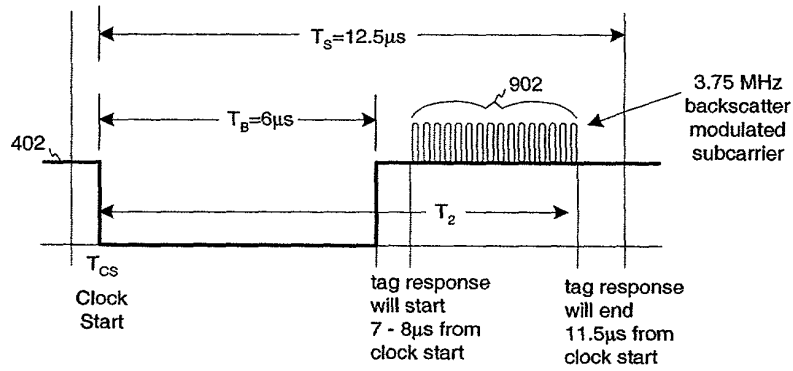


FIG. 9

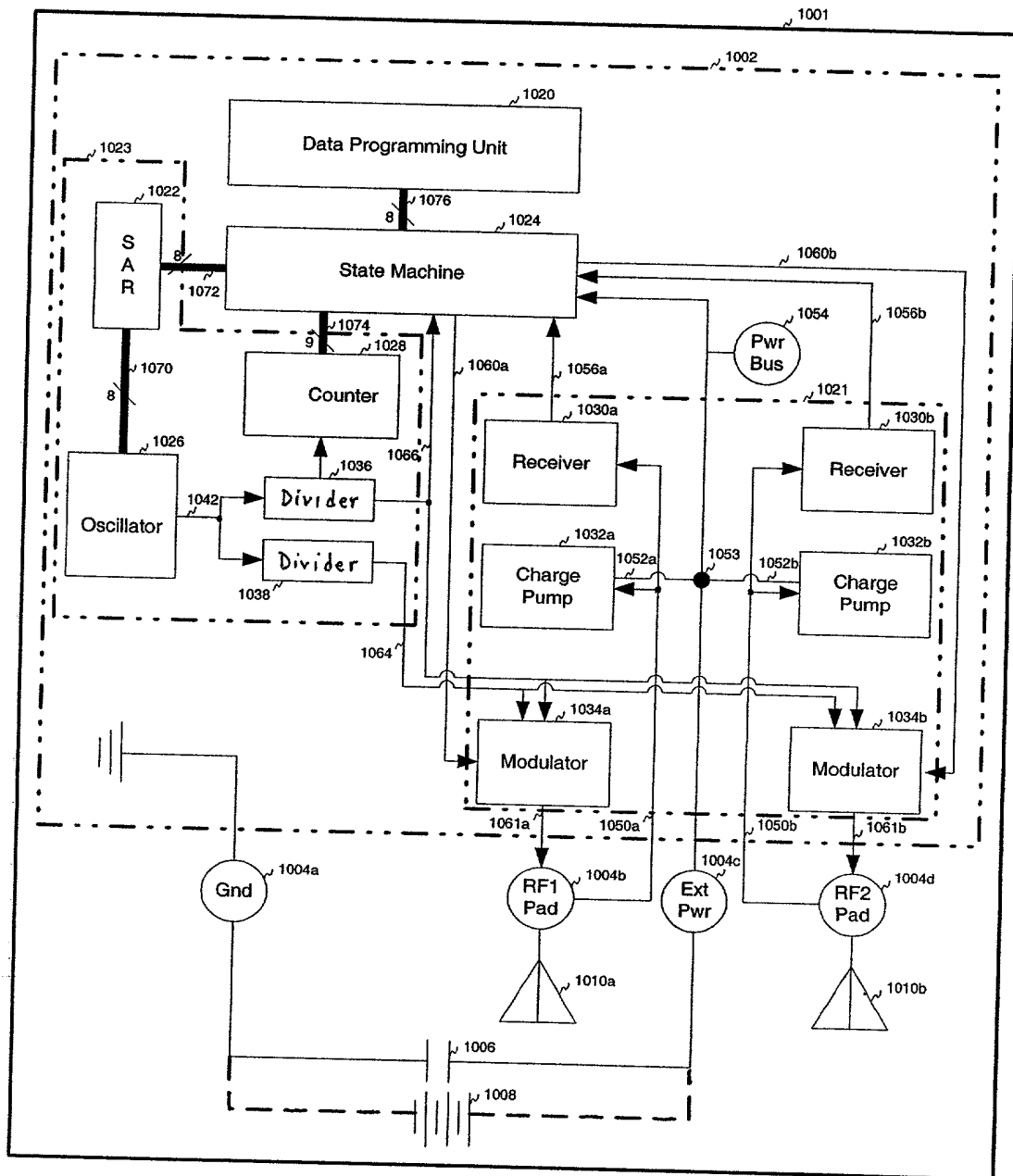


FIG. 10

0201-20b.vsd/7

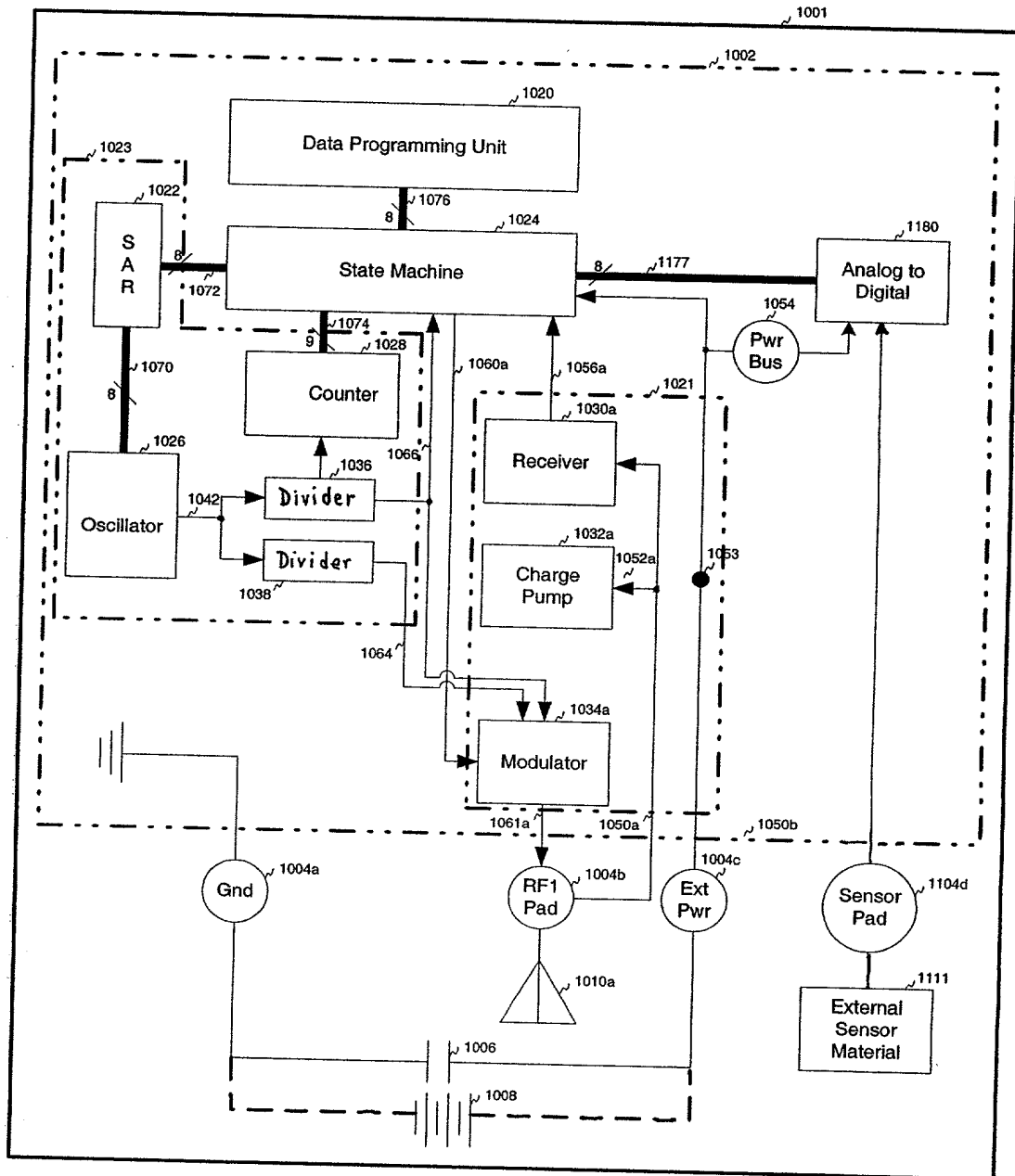


FIG. 11

2021201-20b.vsd

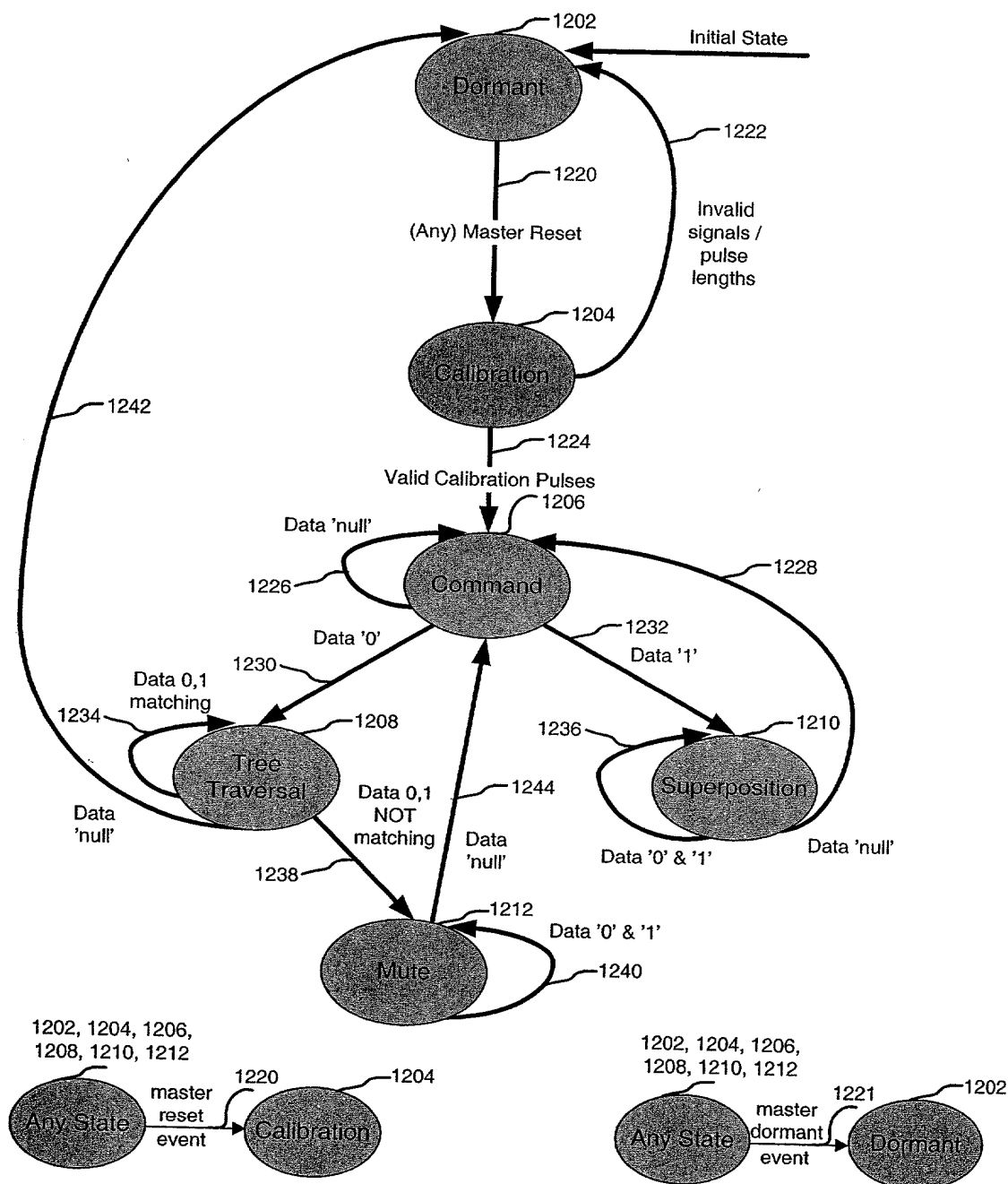


FIG. 12A

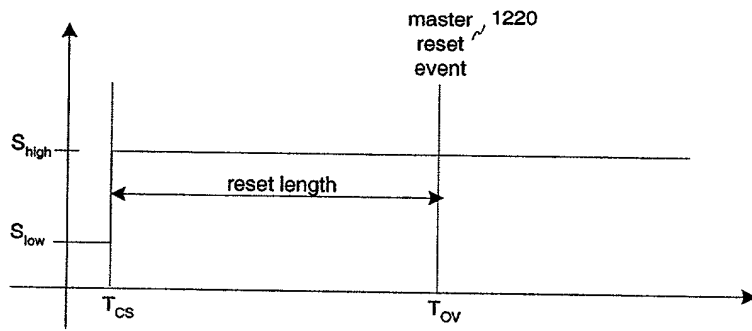


FIG. 12B

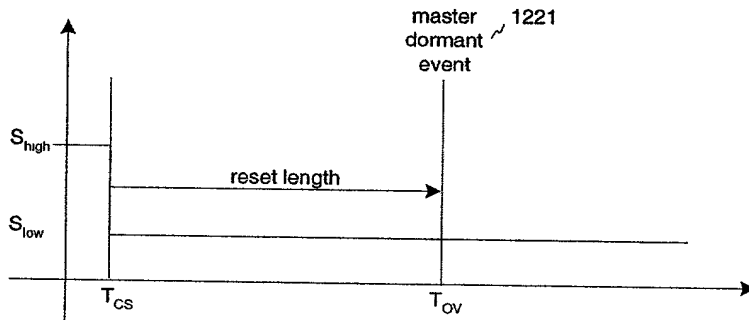


FIG. 12C

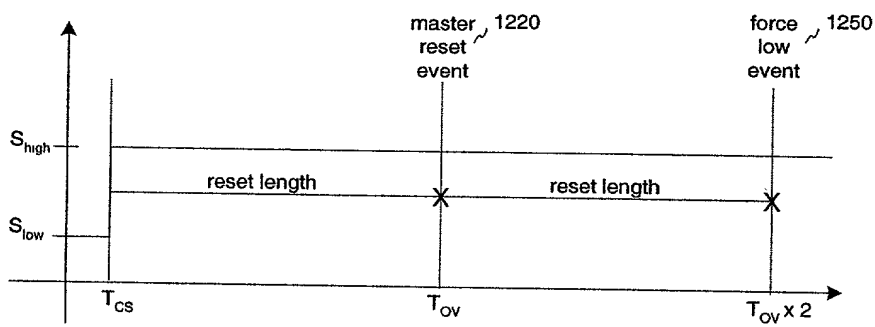


FIG. 12D

10072870.024202

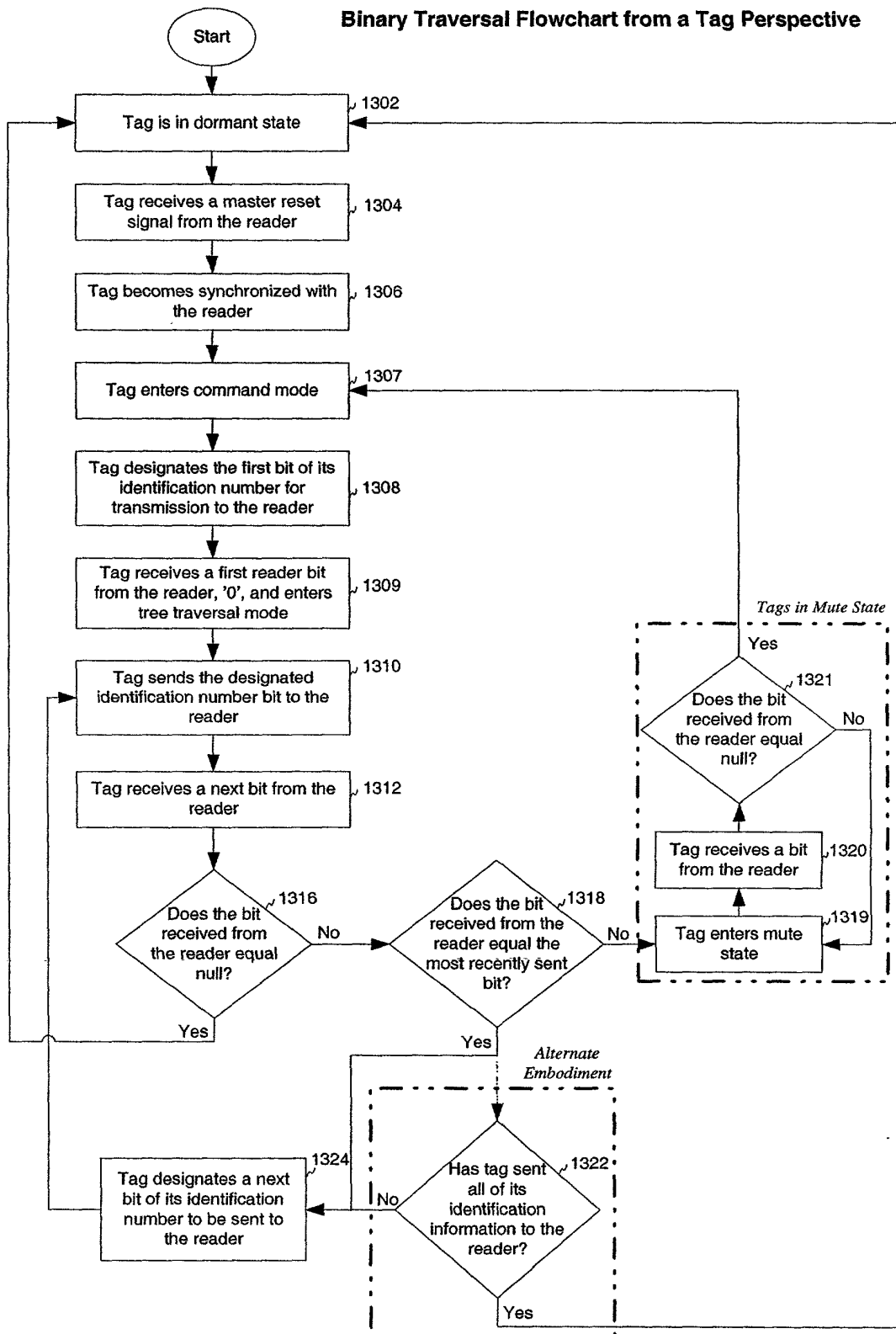


FIG.13

Read Specific Tag, Reader Perspective

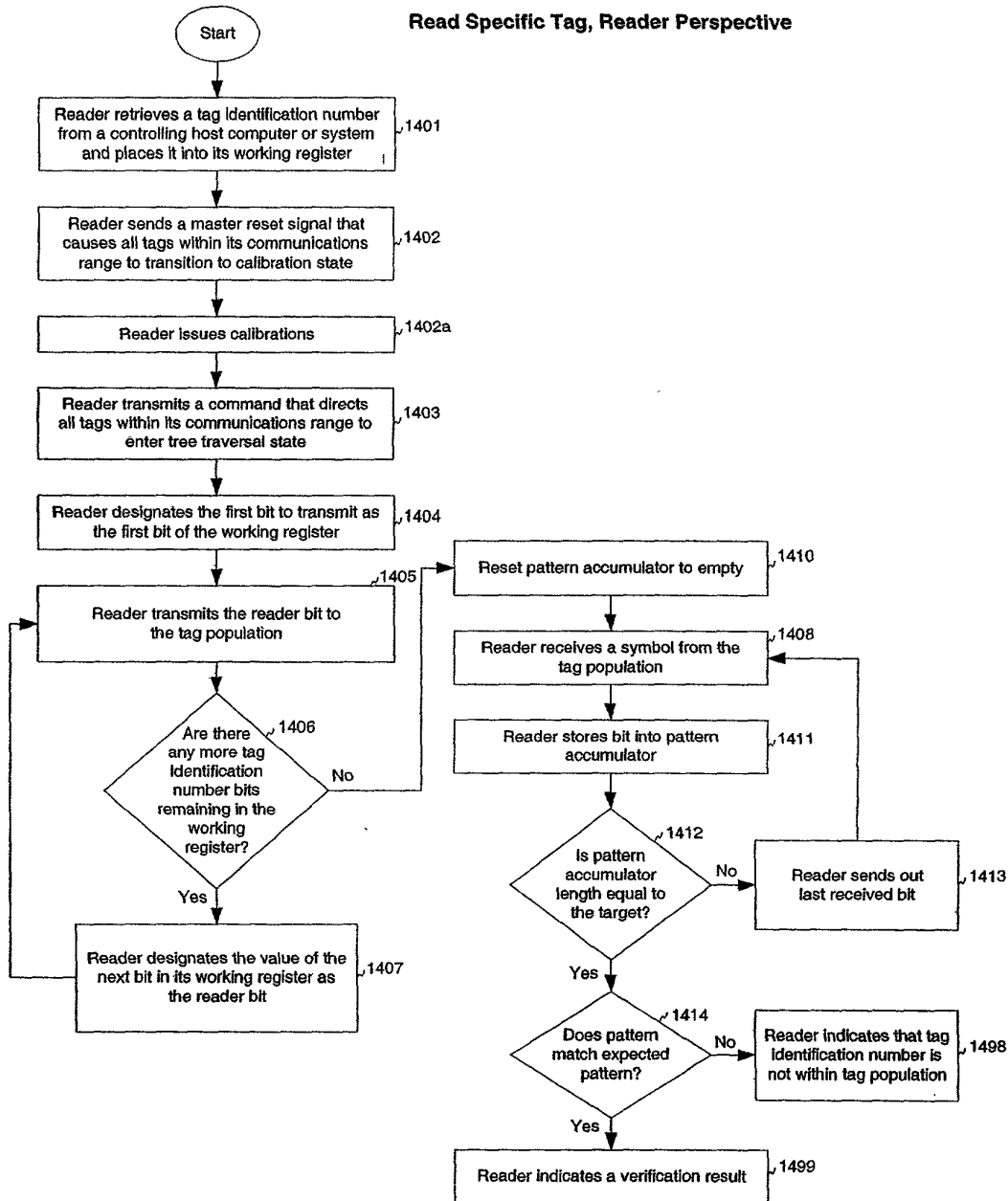


FIG. 14A

20250904092400

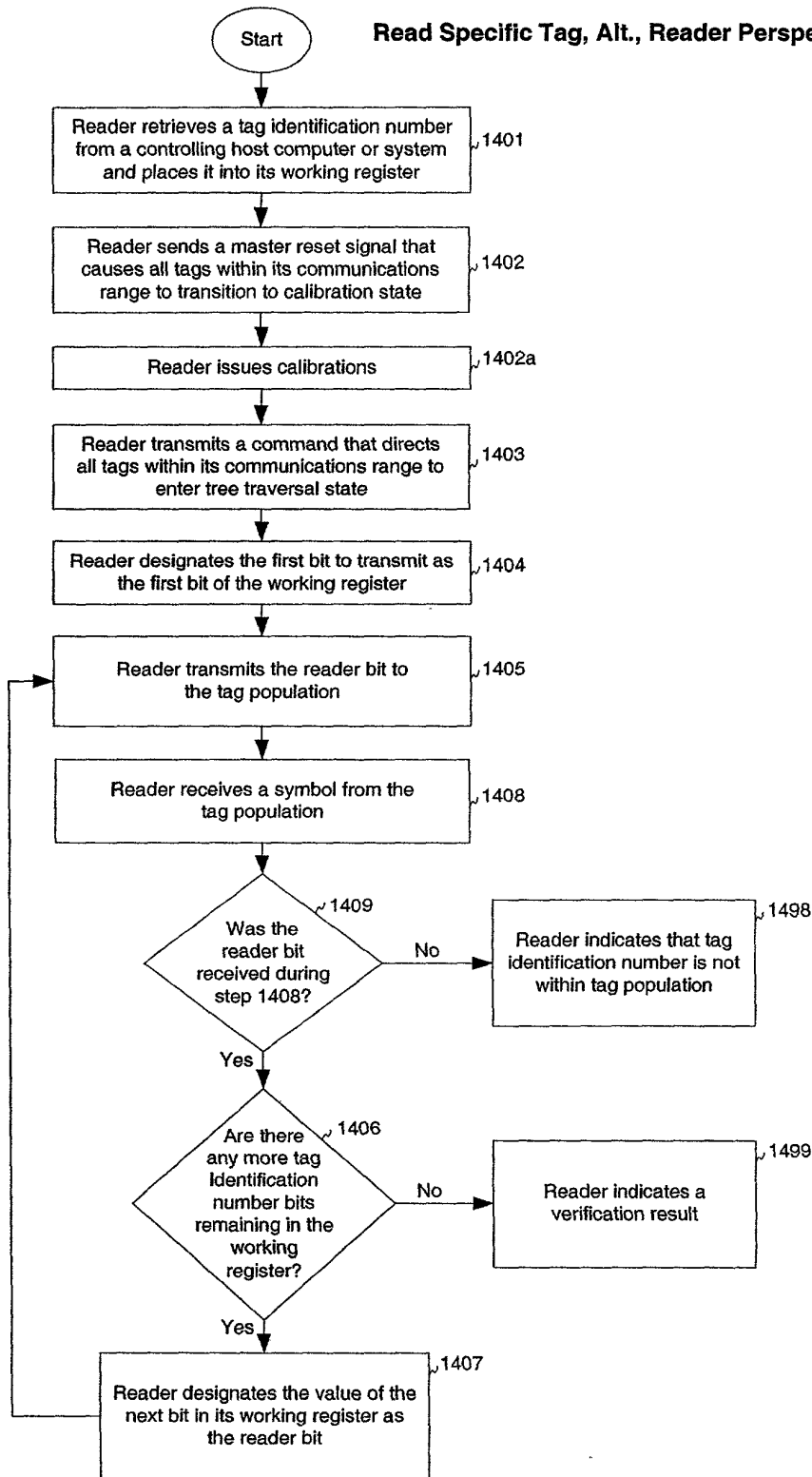


FIG. 14B

Read All Tags, Reader Perspective

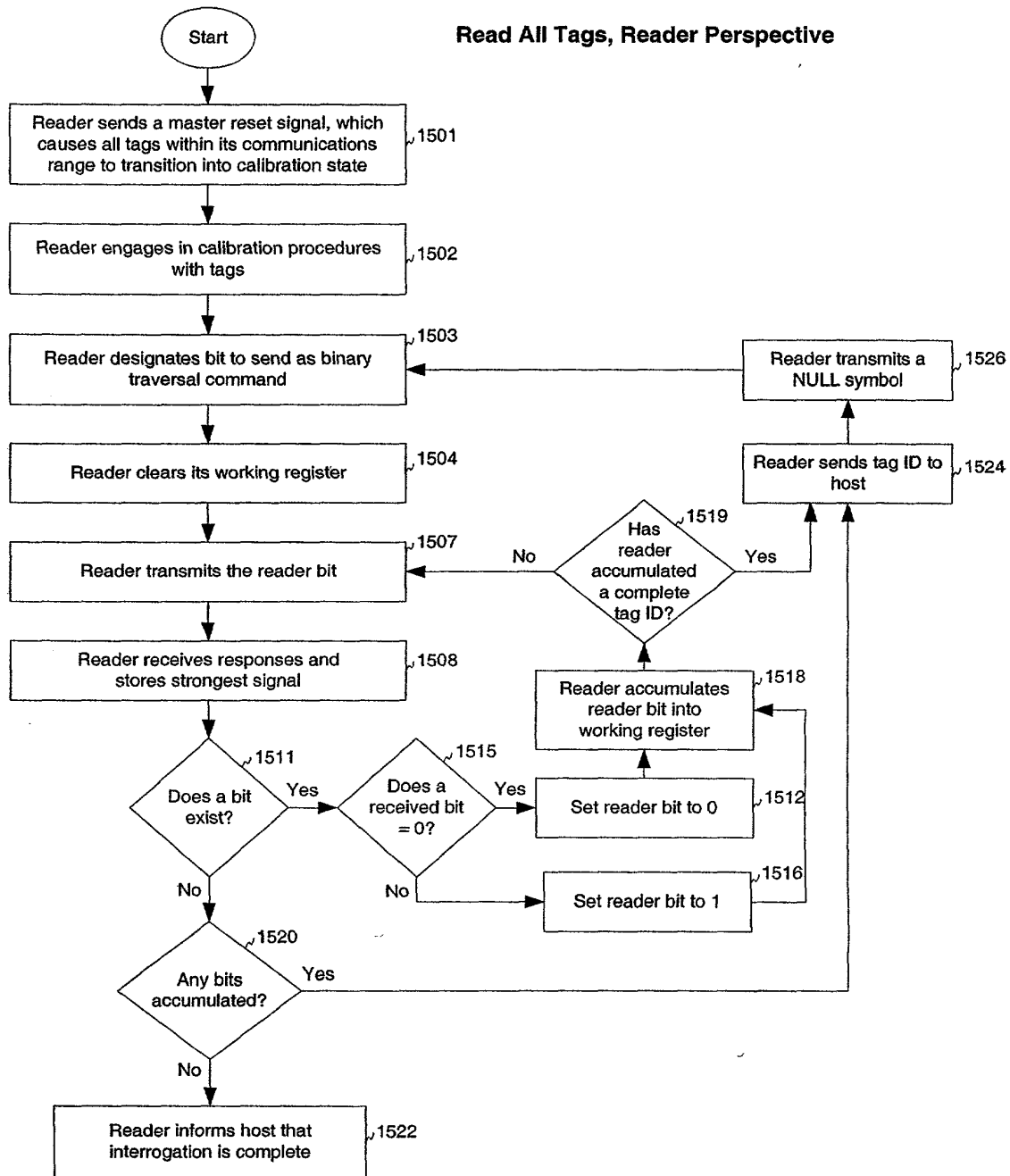


FIG. 15A :

Read All Tags, Alt., Reader Perspective

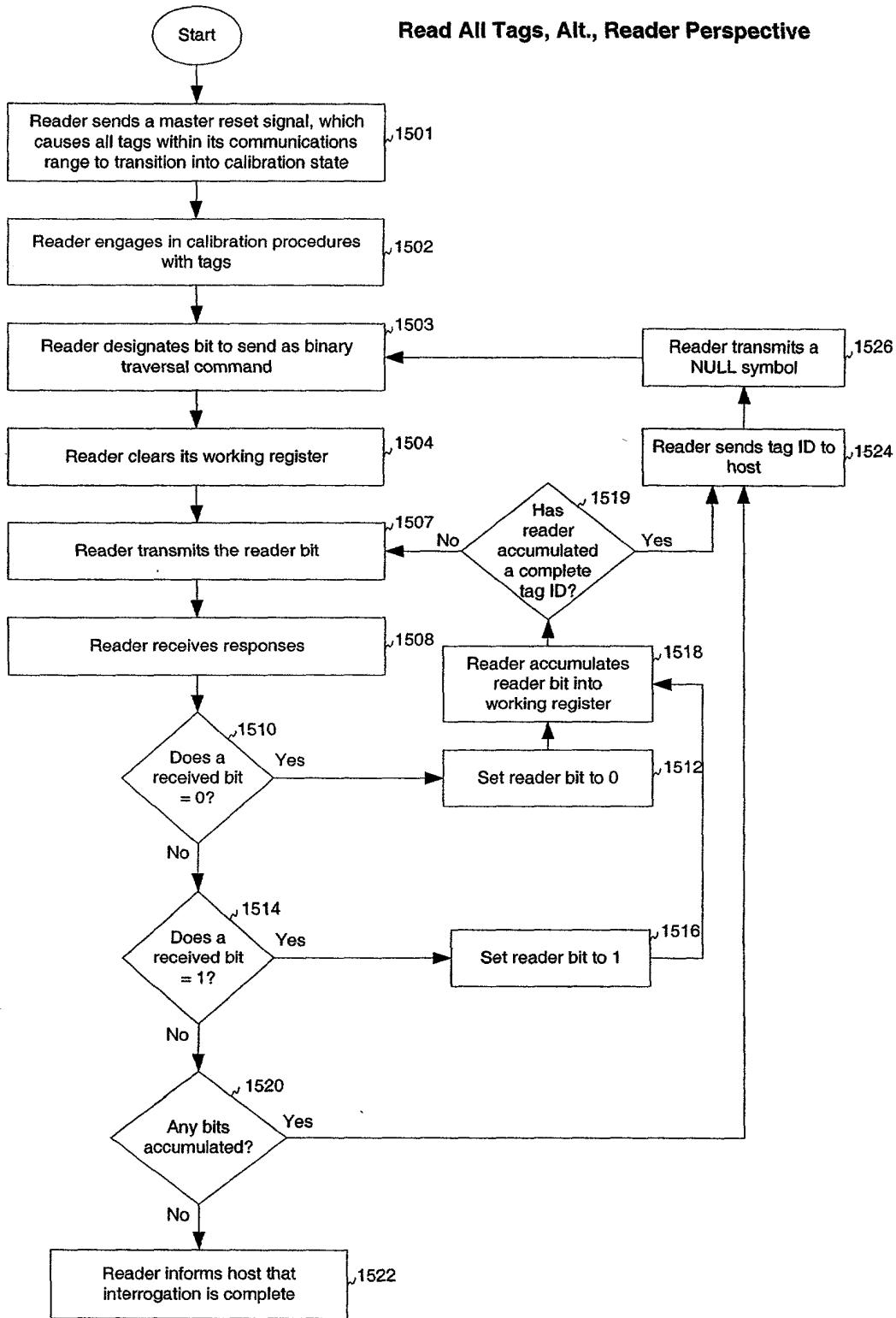


FIG. 15B

Binary Traversal Paths and Tree for a 3-bit Tag Population

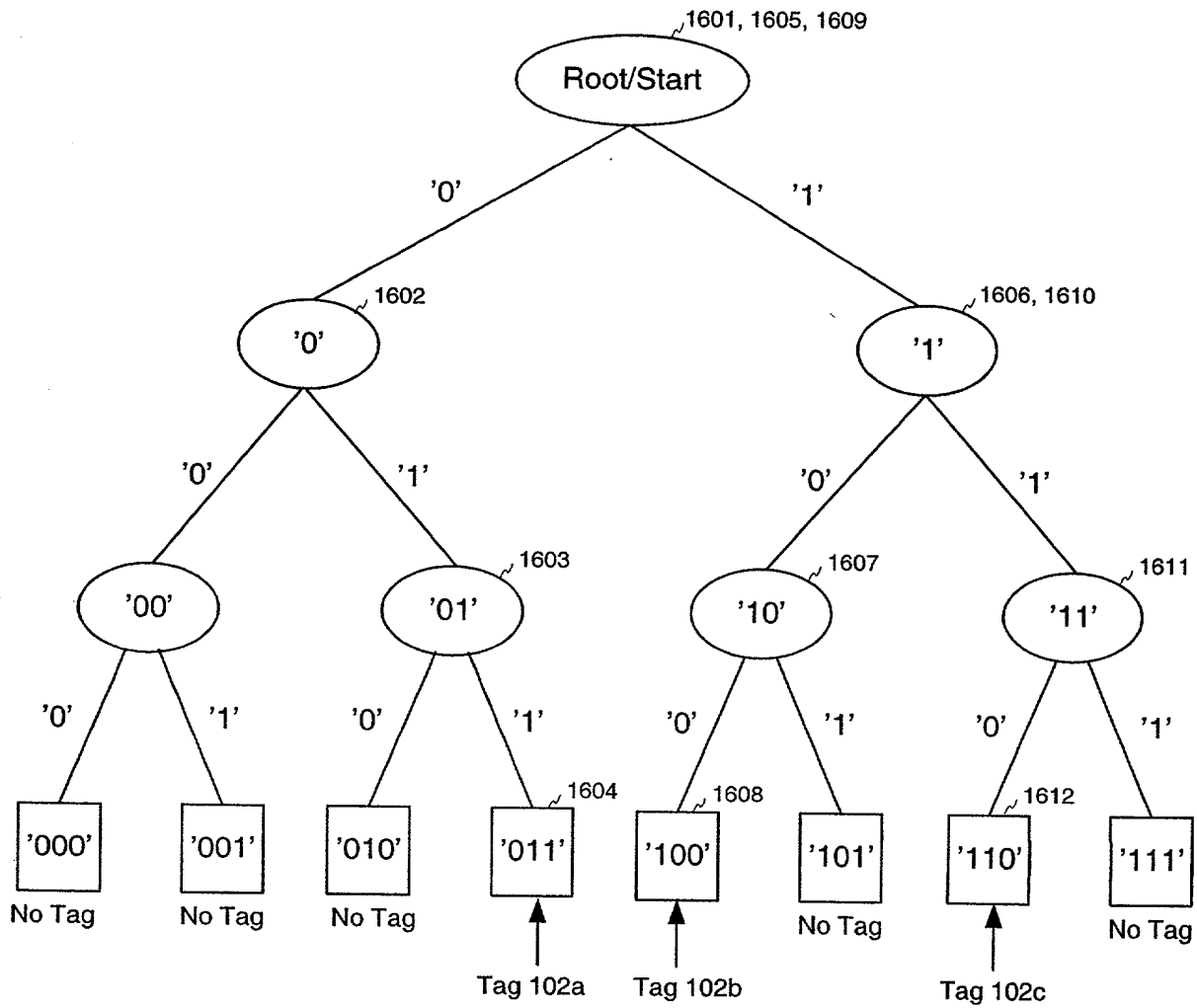


FIG. 16

40072670.024000

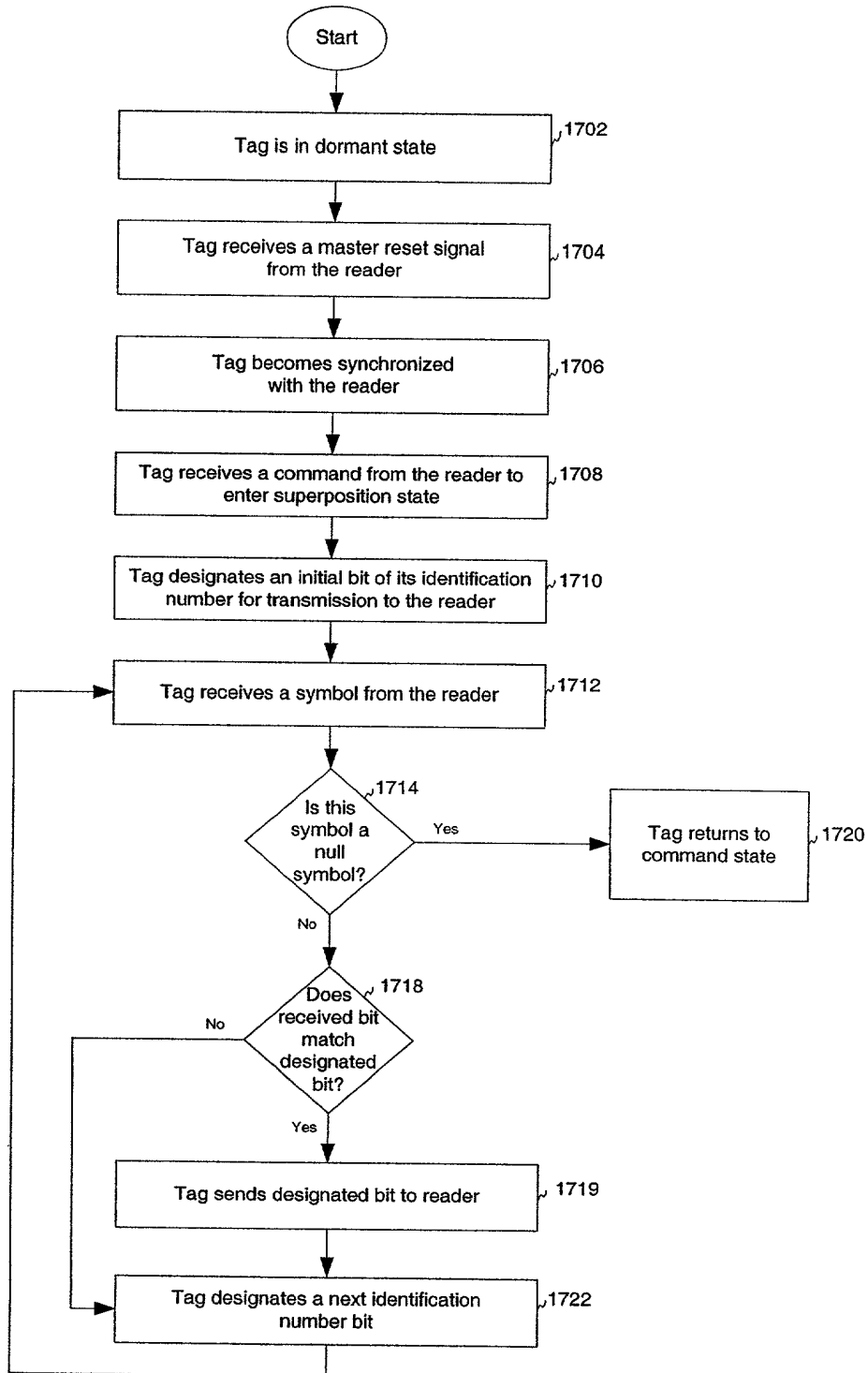


FIG. 17A

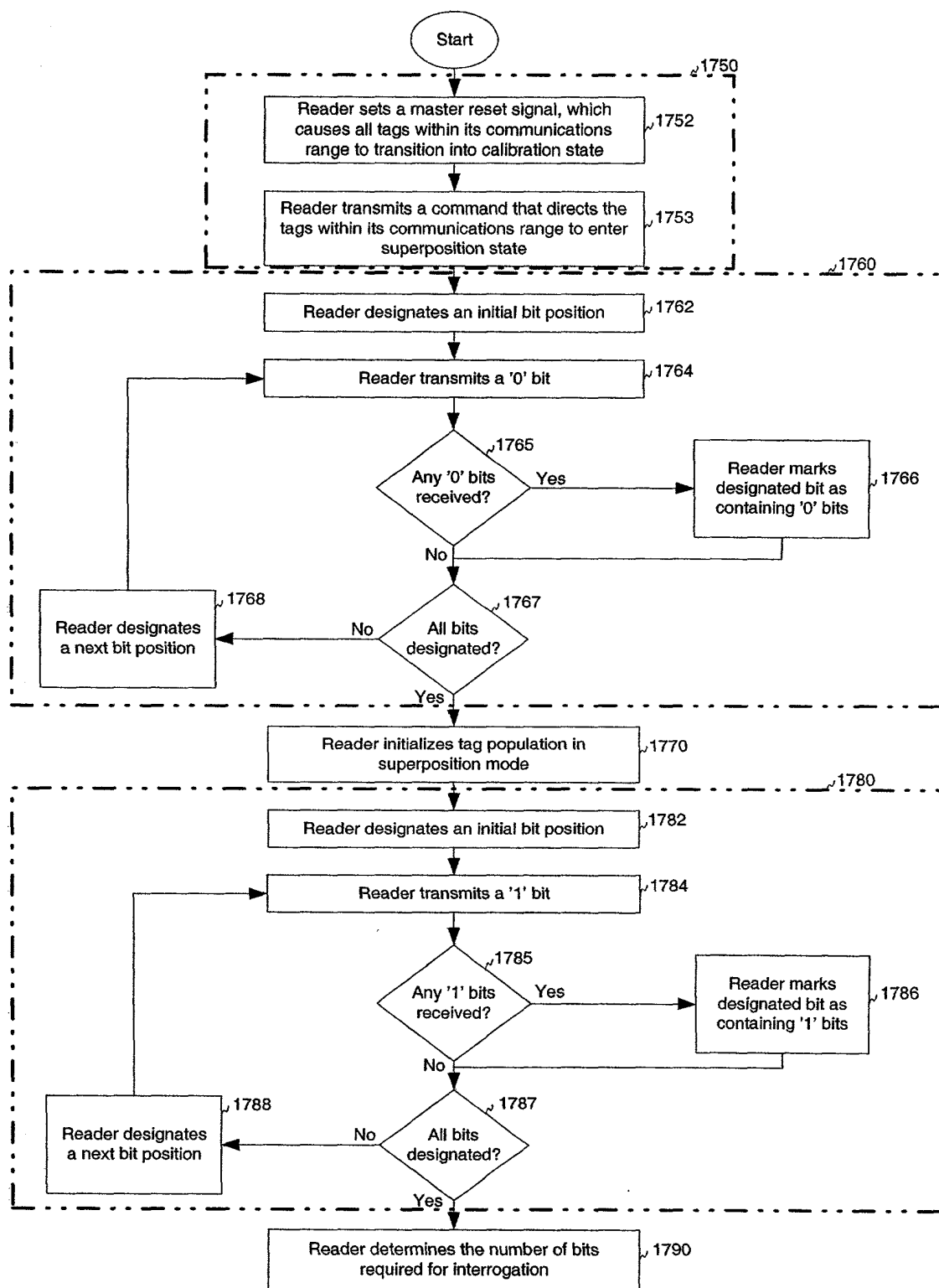


FIG. 17B

2021-20-0232/001

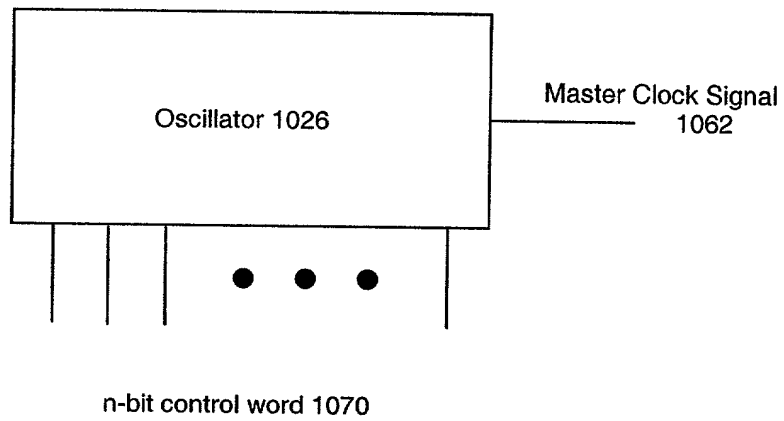


FIG. 18

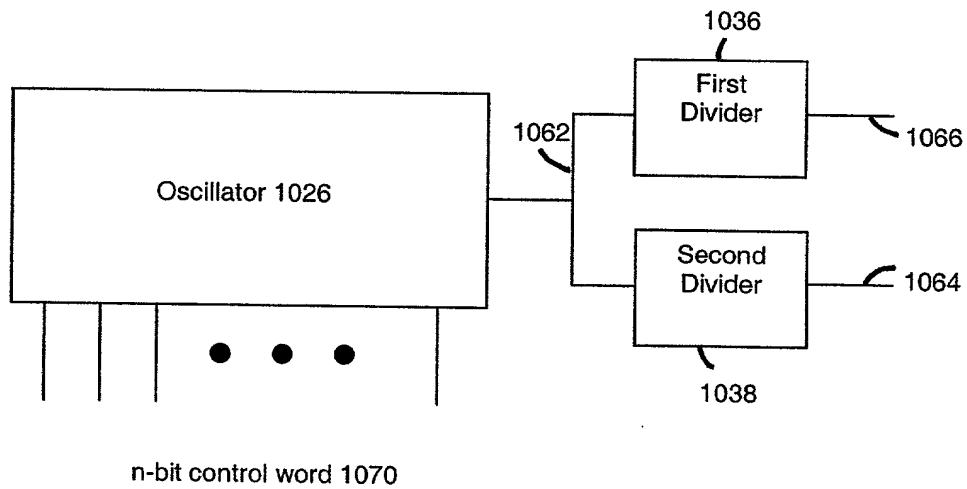


FIG. 19

20212010.032.001

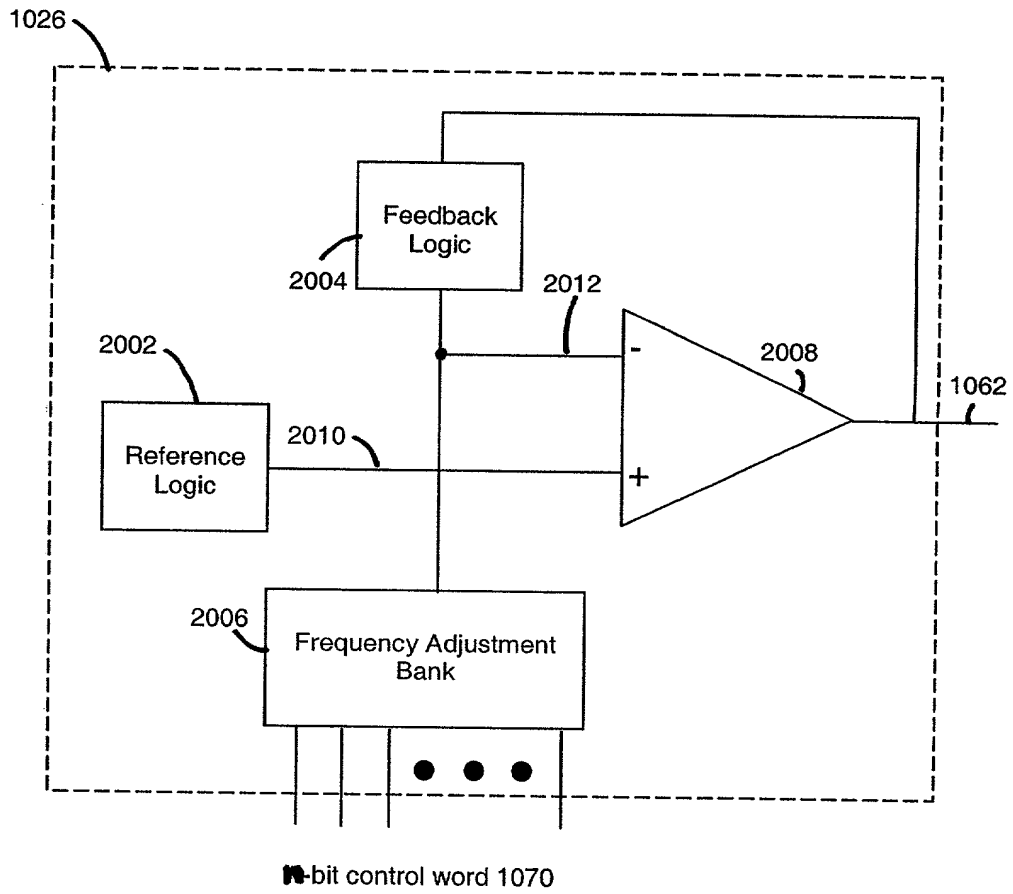


FIG. 20

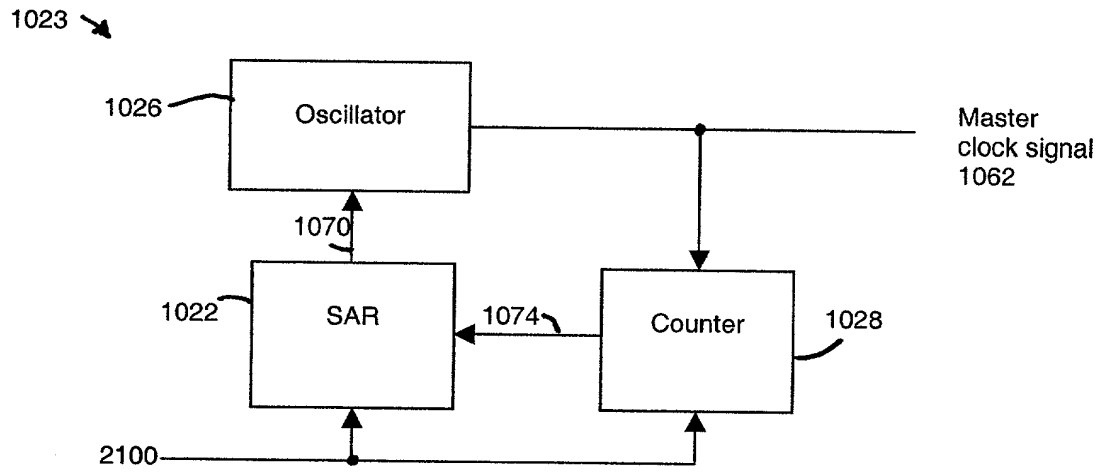


FIG. 21A

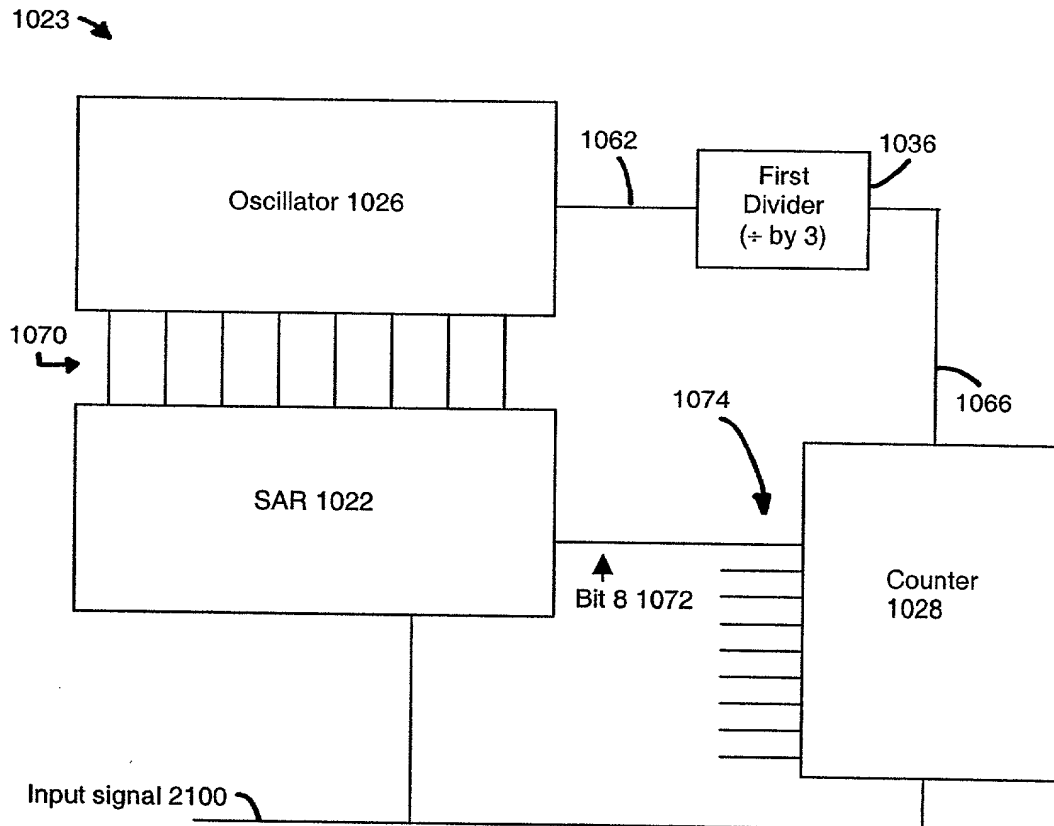


FIG. 21B

Conceptual implementation of SAR calibration

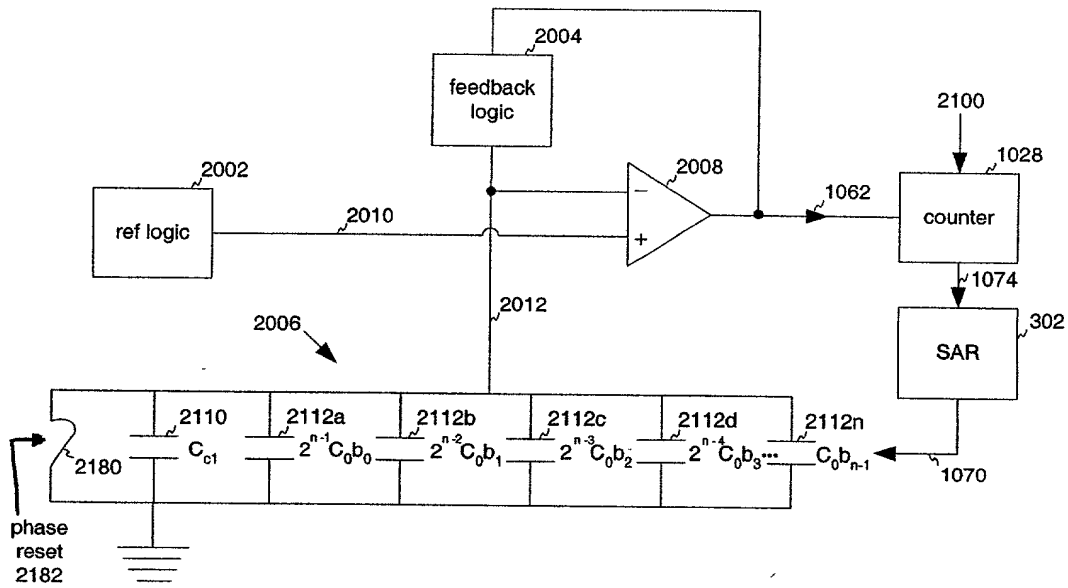


FIG. 21C

Physical implementation of adjustable capacitor bank

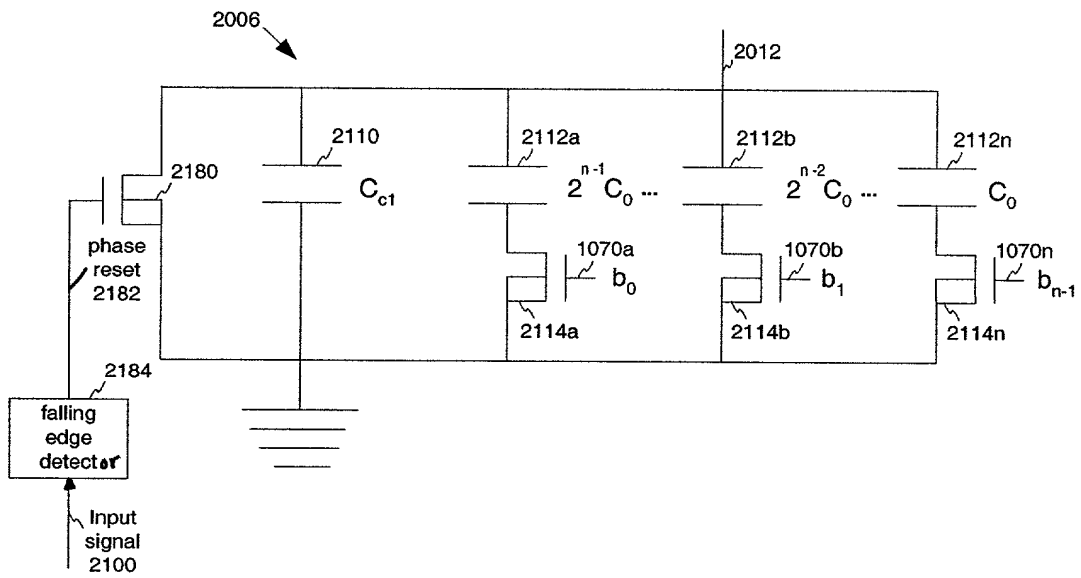
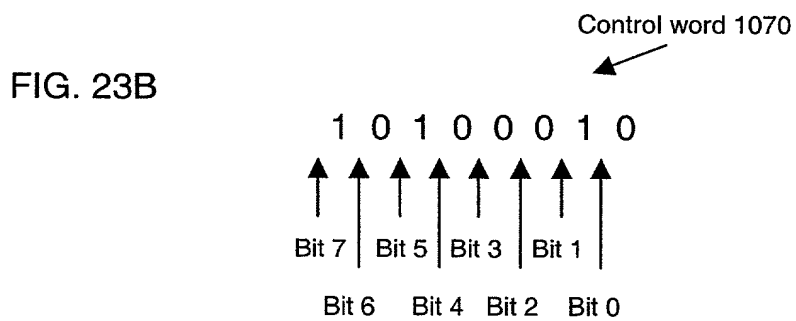
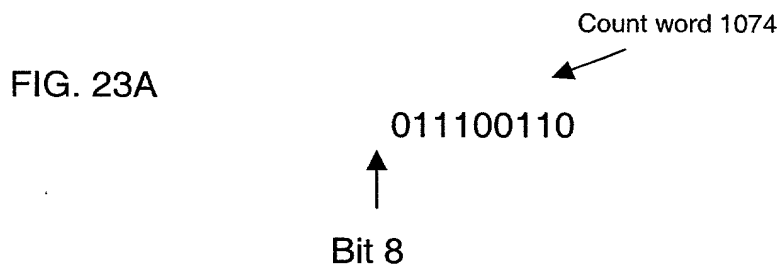
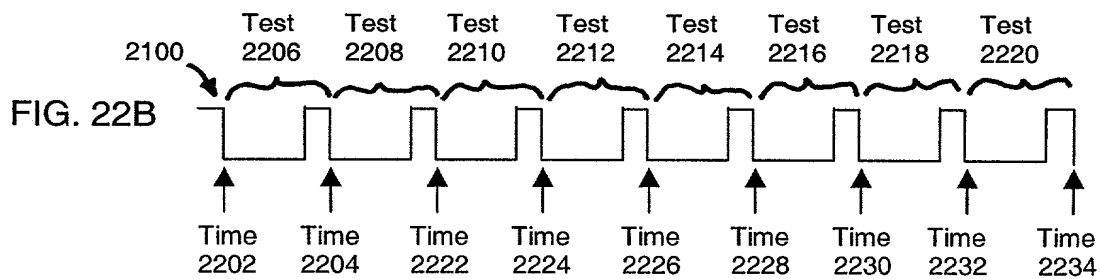
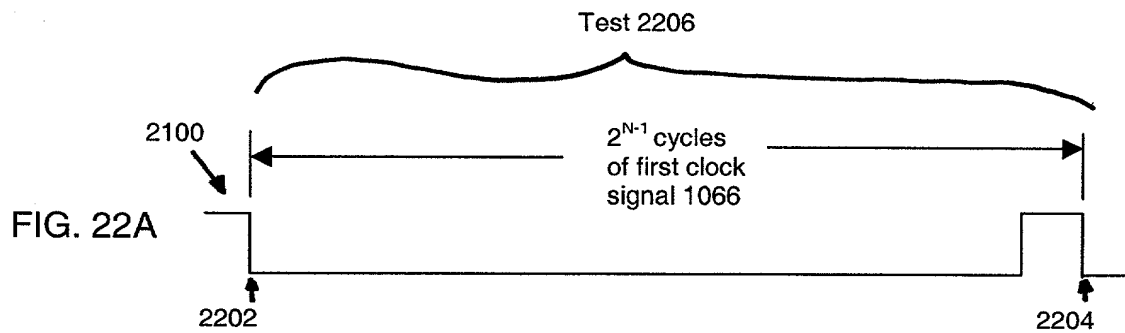


FIG. 21D



2025T20" 04222001

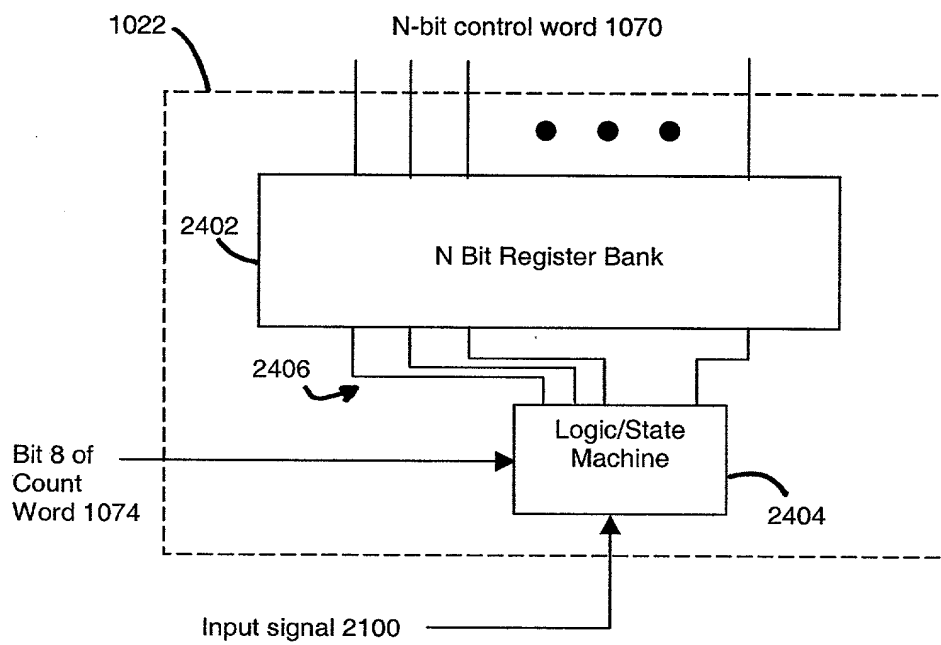


FIG. 24

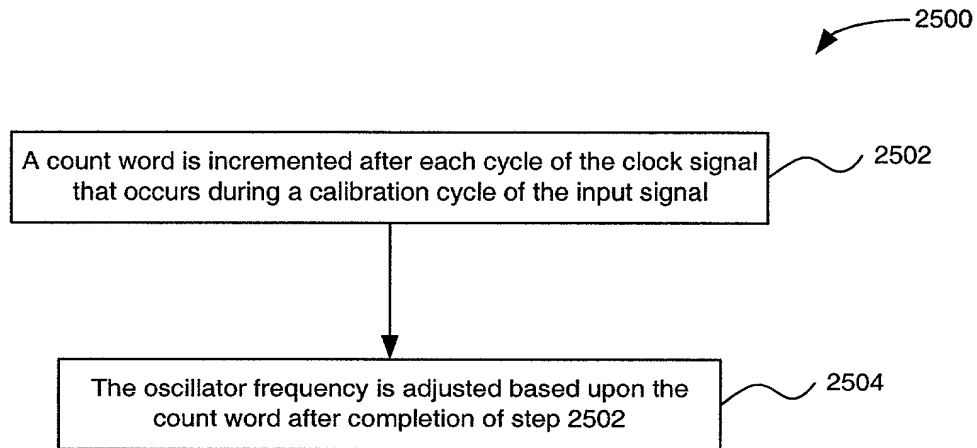


FIG. 25A

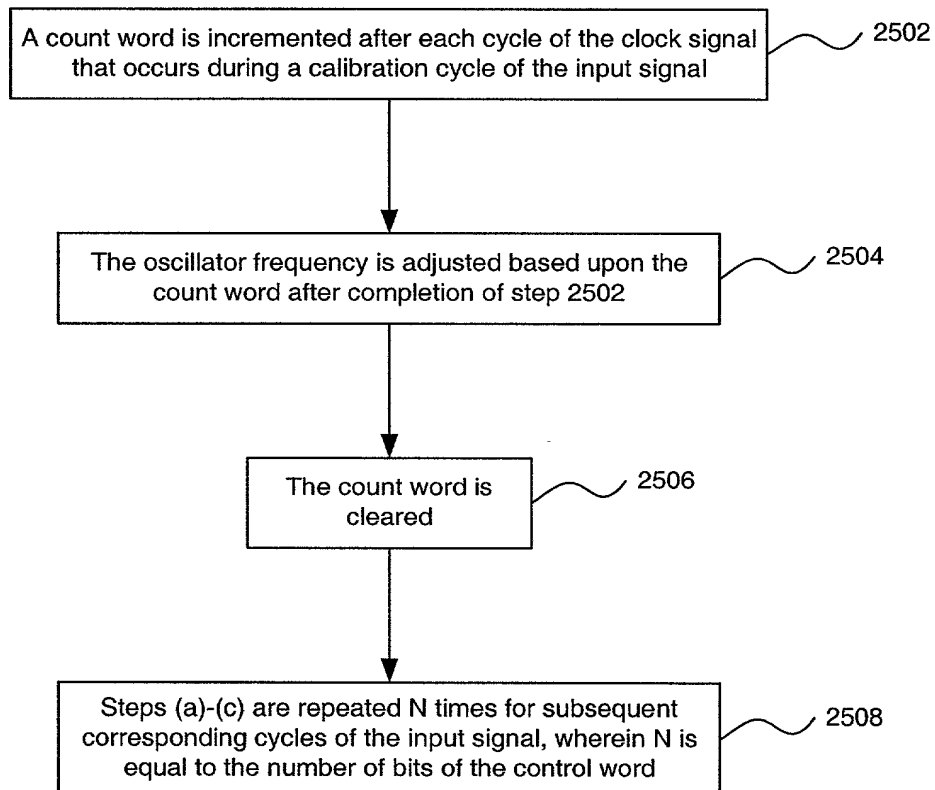


FIG. 25B

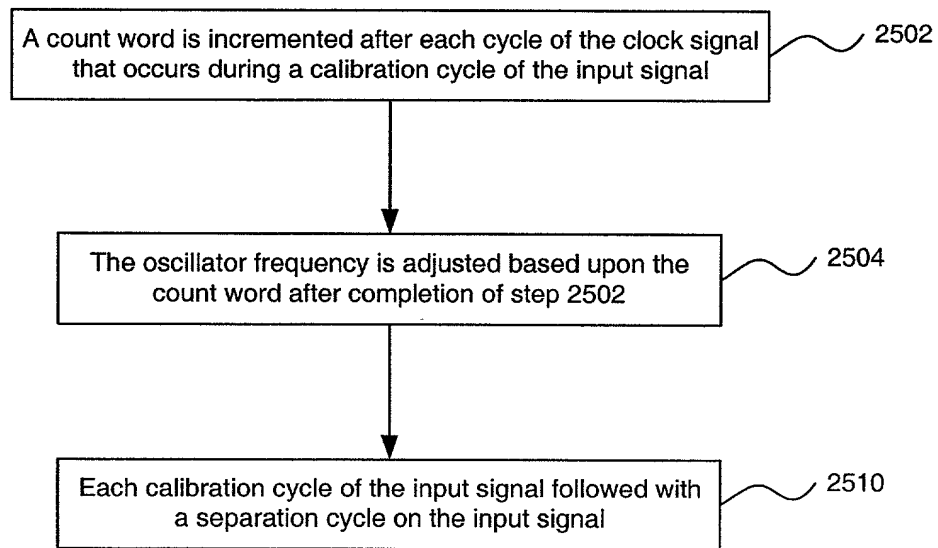


FIG. 25C

2025 RELEASE UNDER E.O. 14176

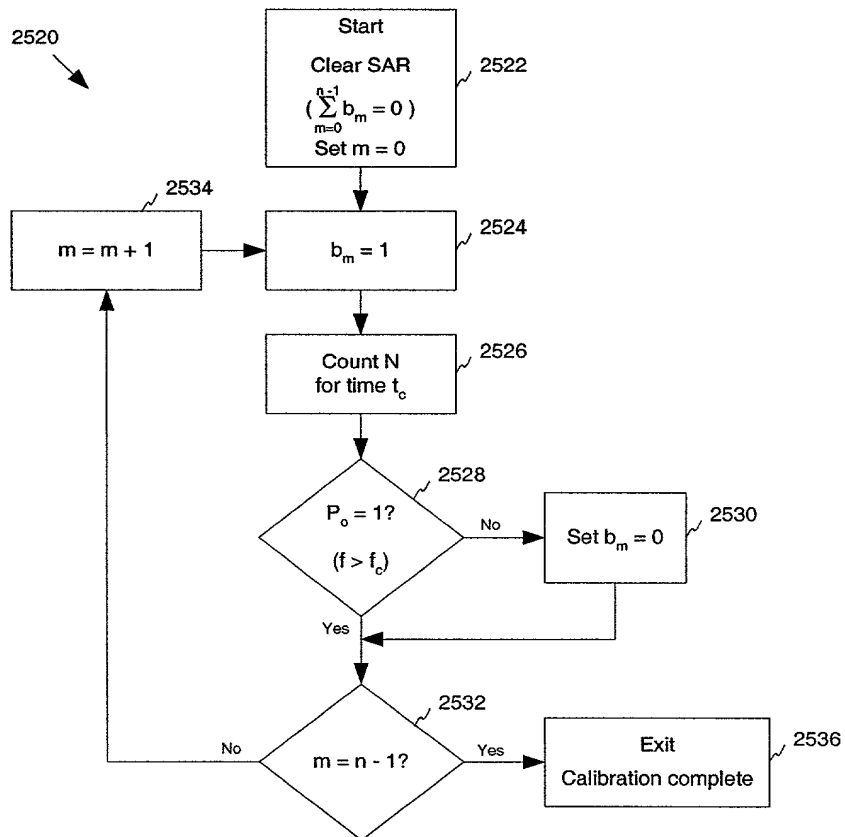


FIG. 25D

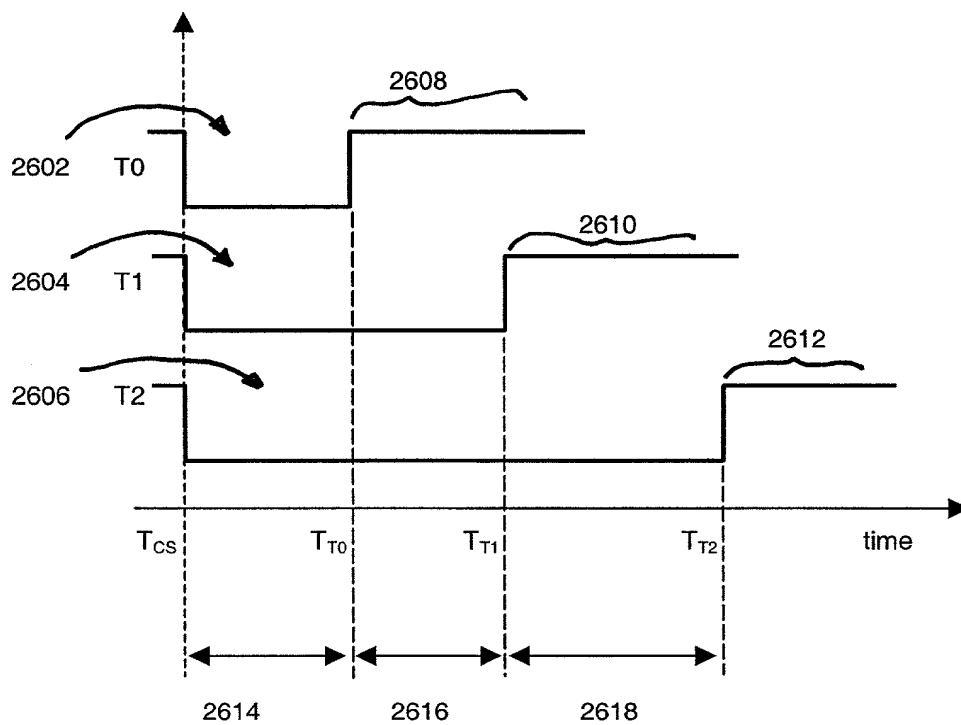


FIG. 26A

Data Symbol Timing Chart

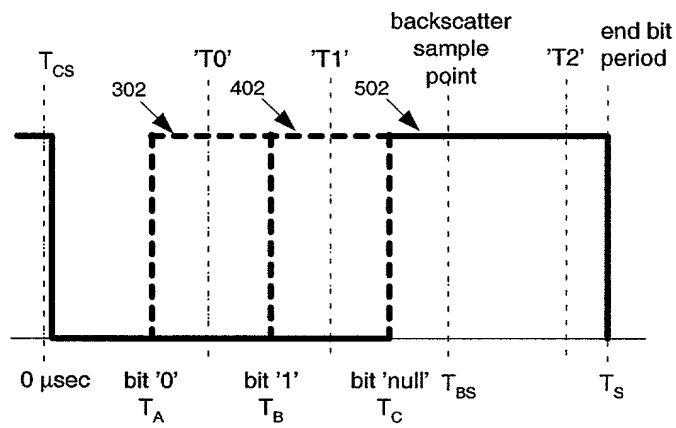


FIG. 26B

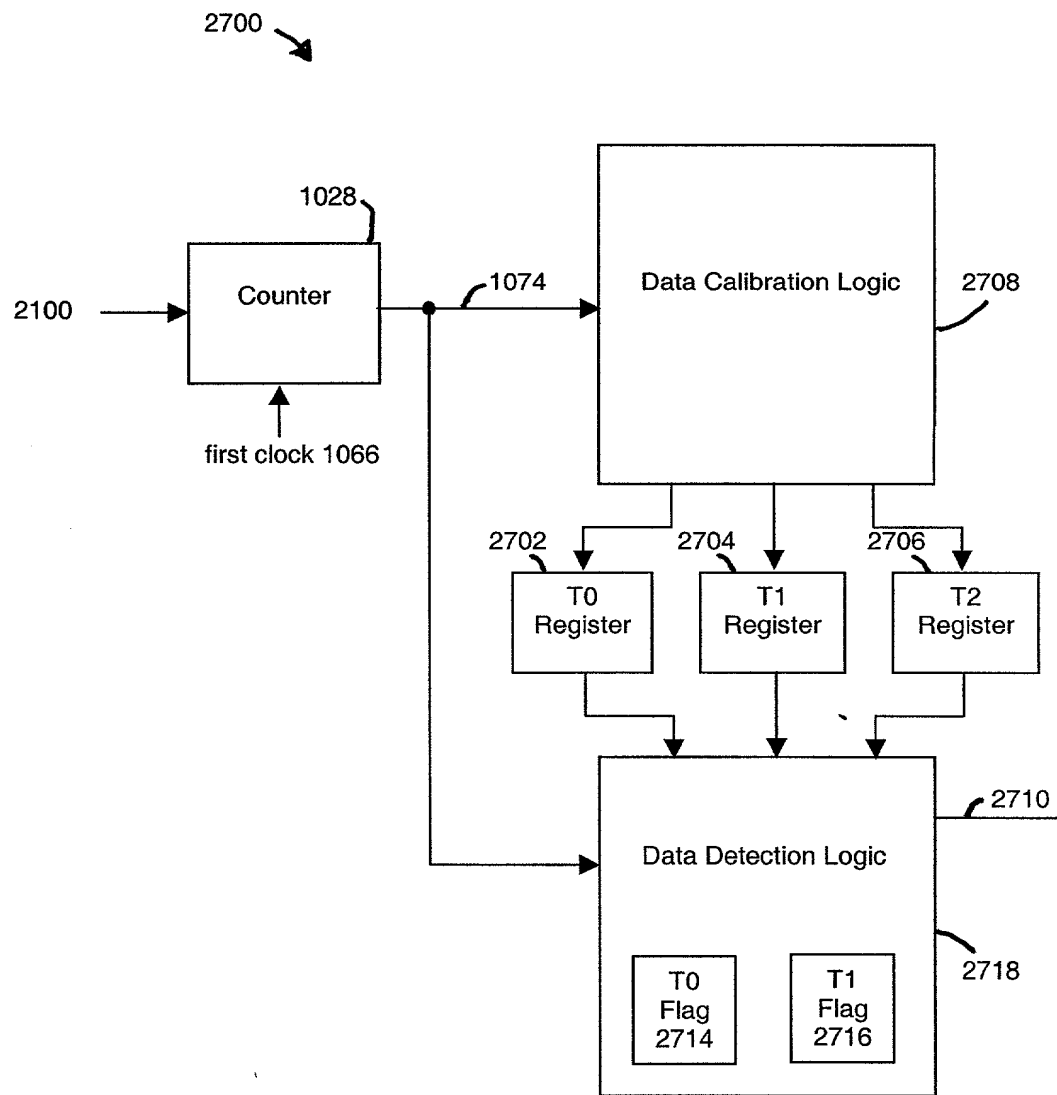


FIG. 27

202129-043700

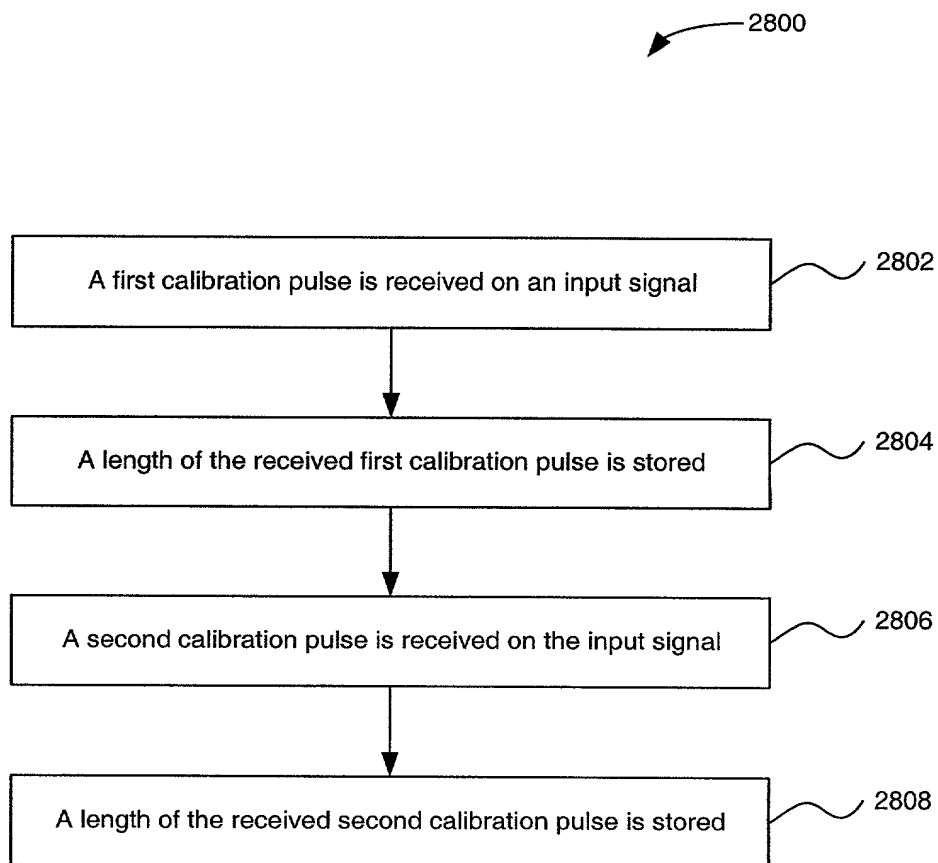


FIG. 28A

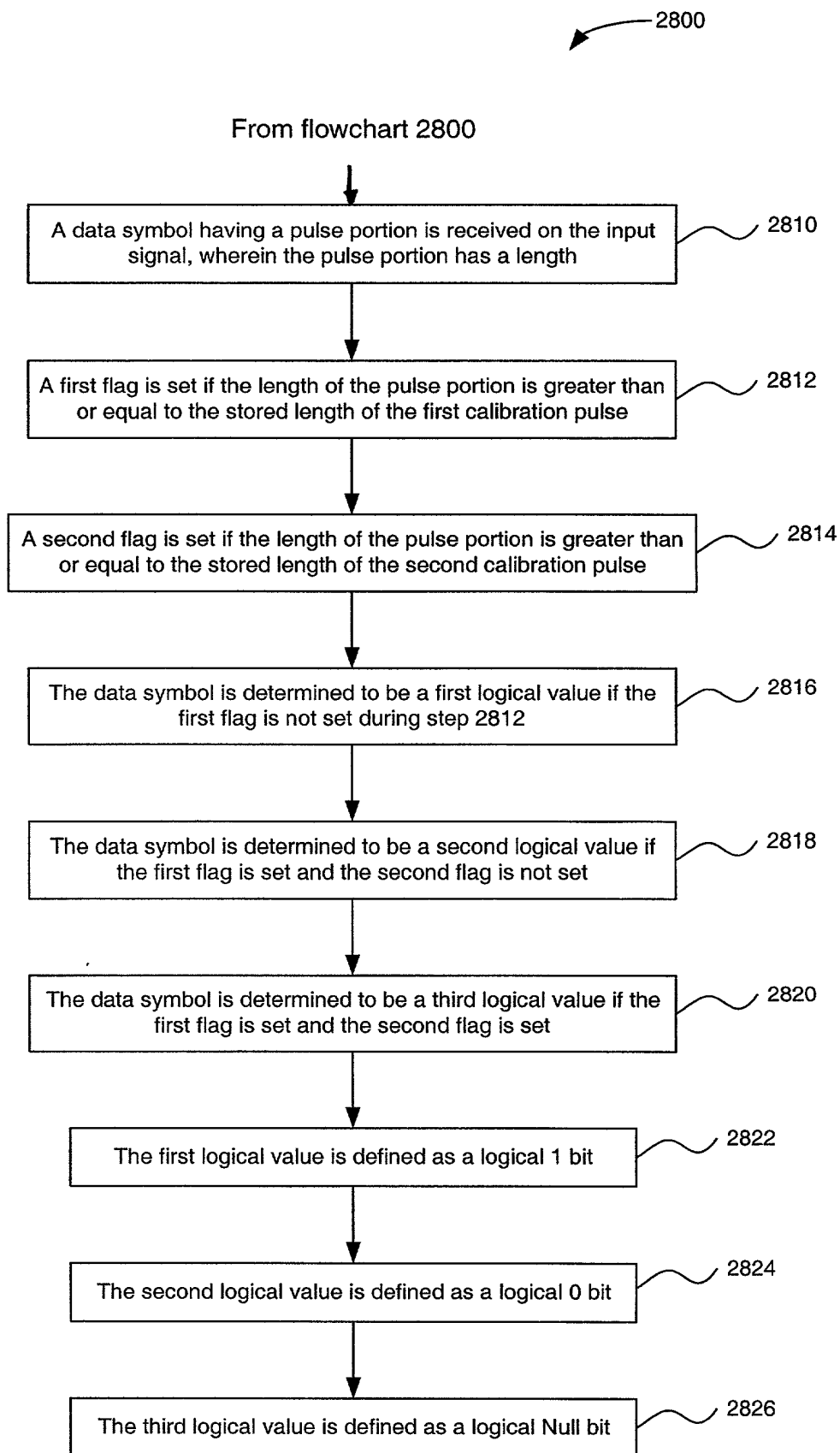


FIG. 28B

FIG. 28C

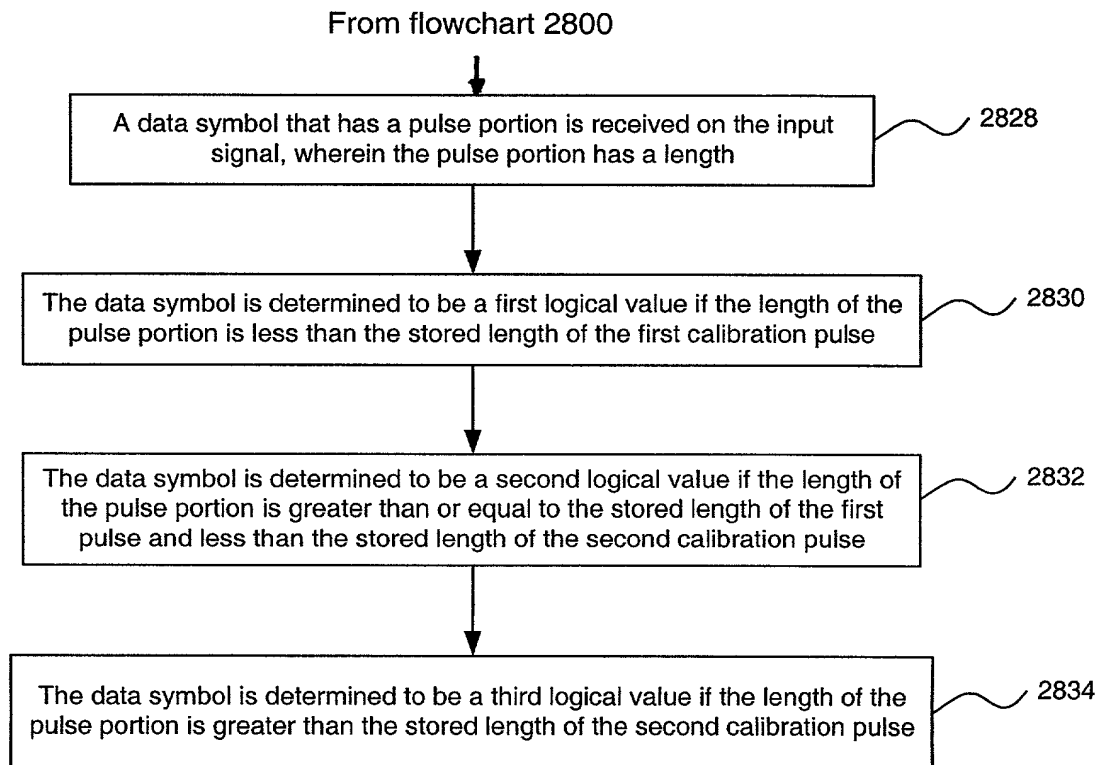


FIG. 28C

2021-07-07 09:22:00

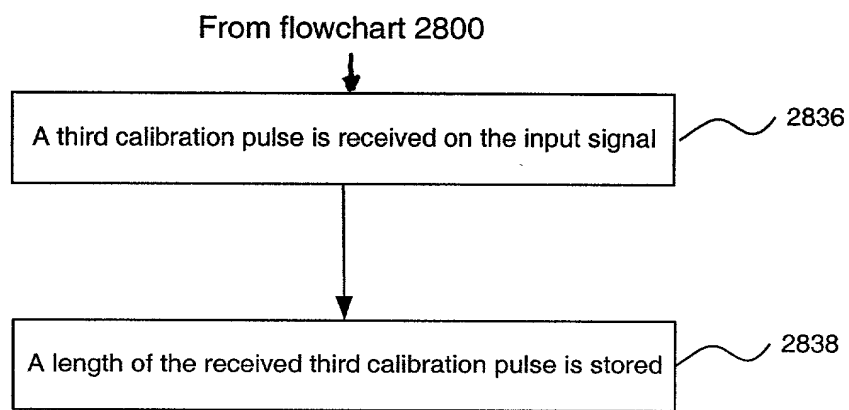


FIG. 28D

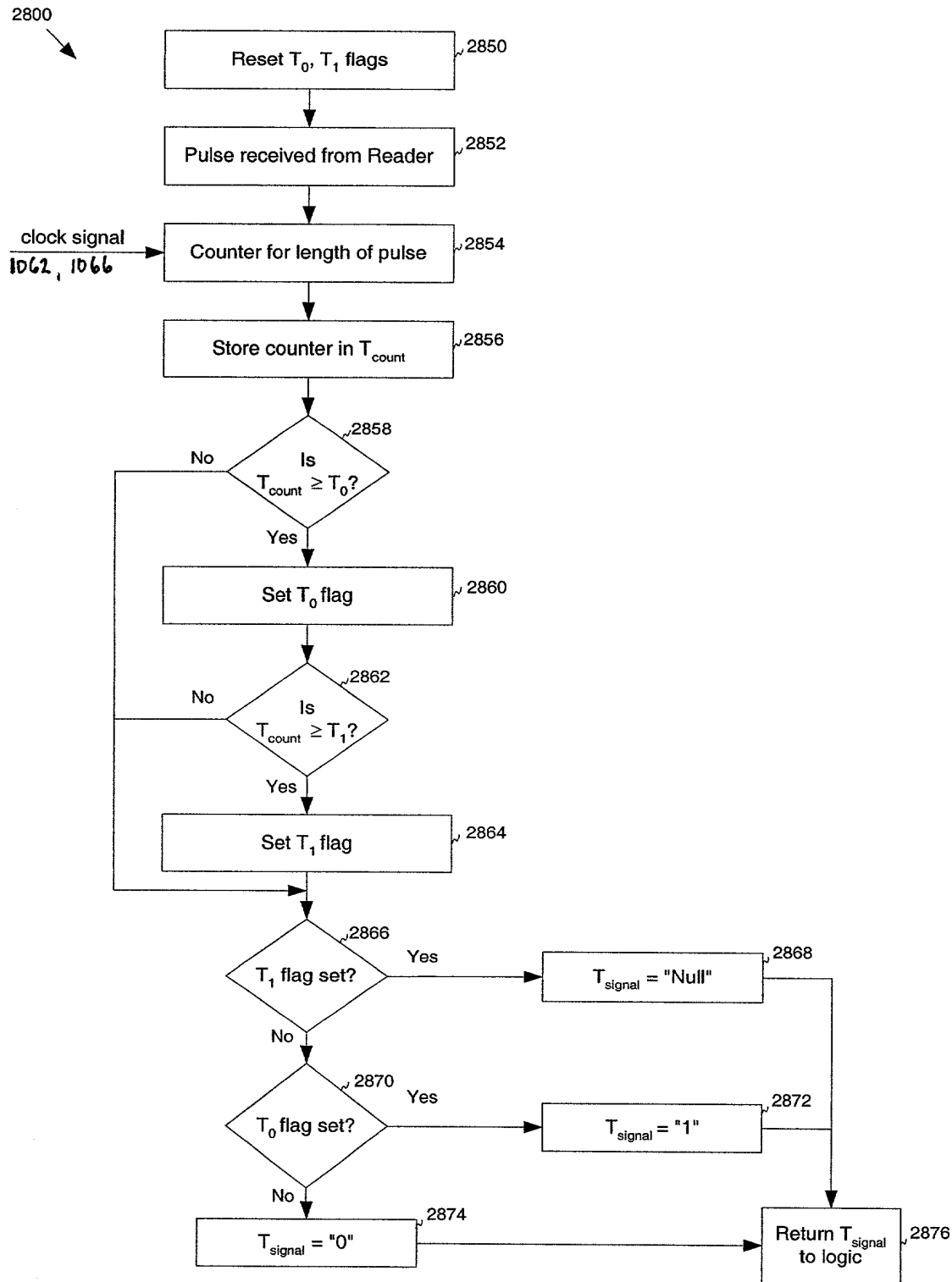


FIG. 28E

20250707 07:22:00

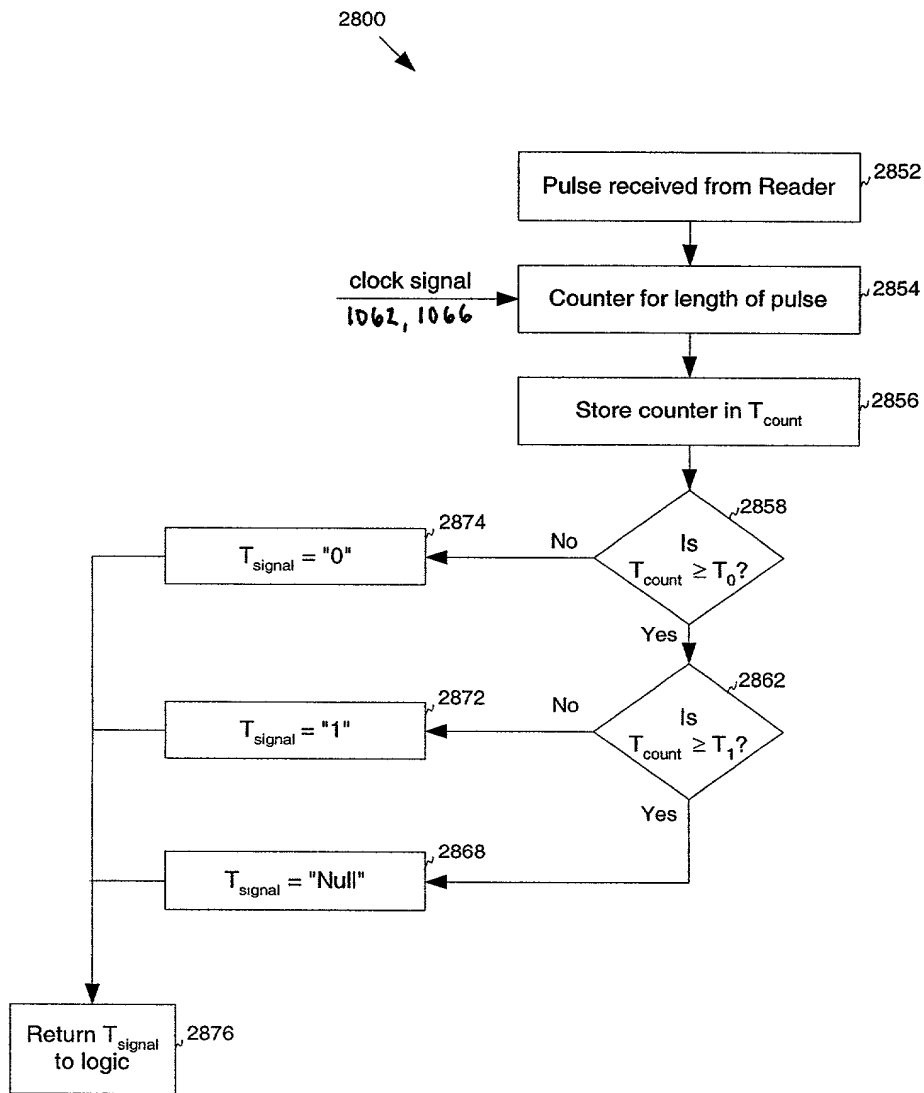


FIG. 28F

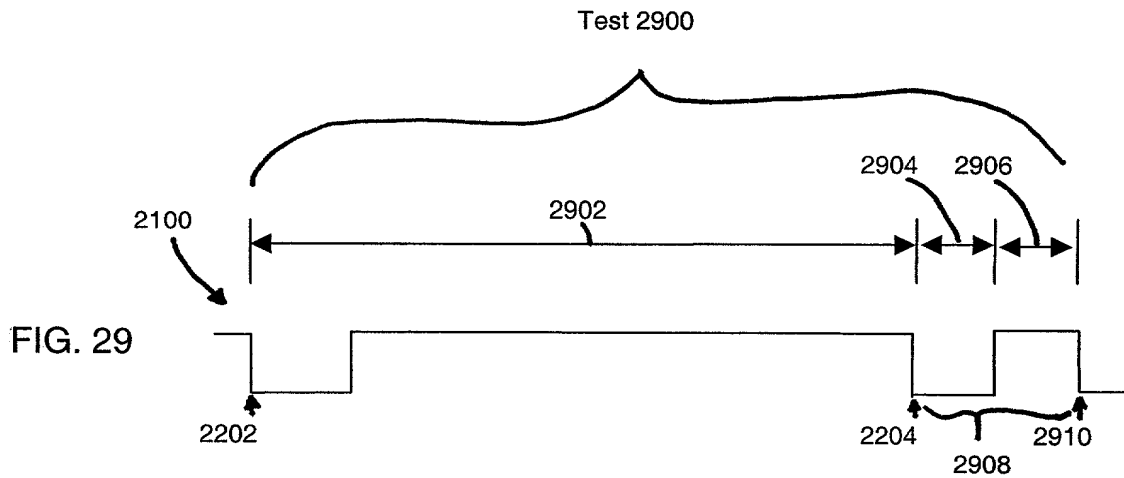


FIG. 29

FIG. 30

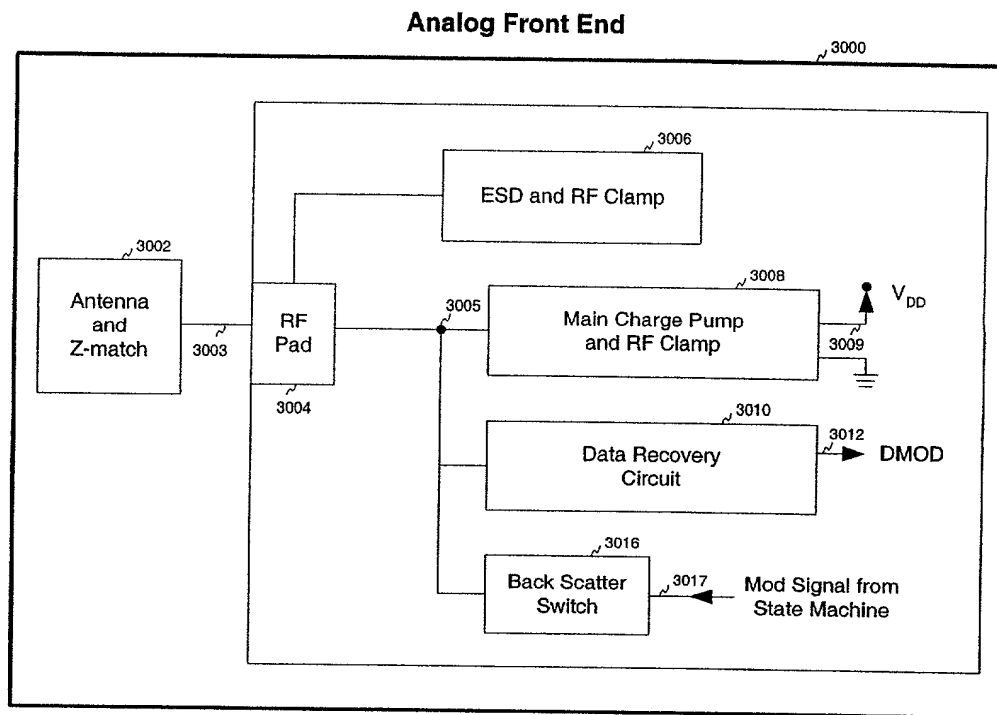


FIG. 30

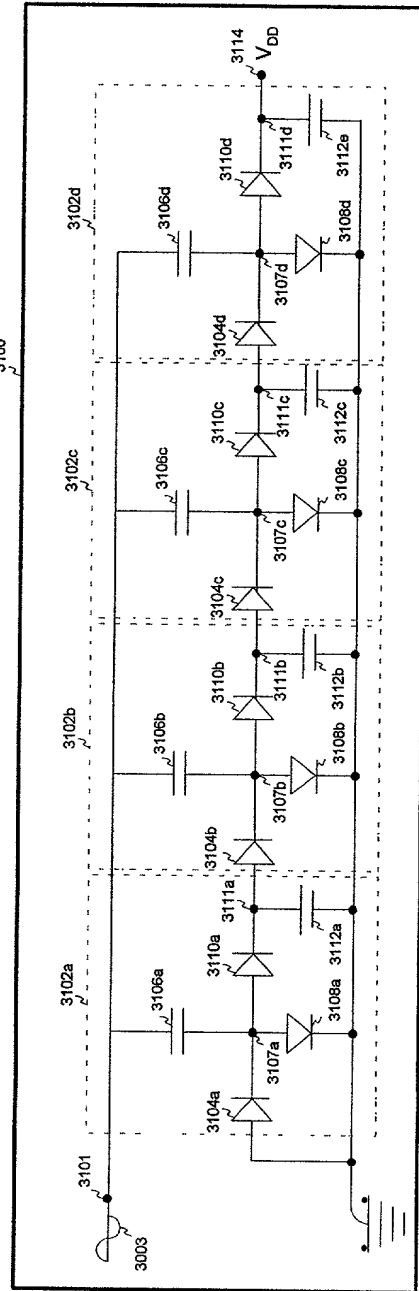


FIG. 31

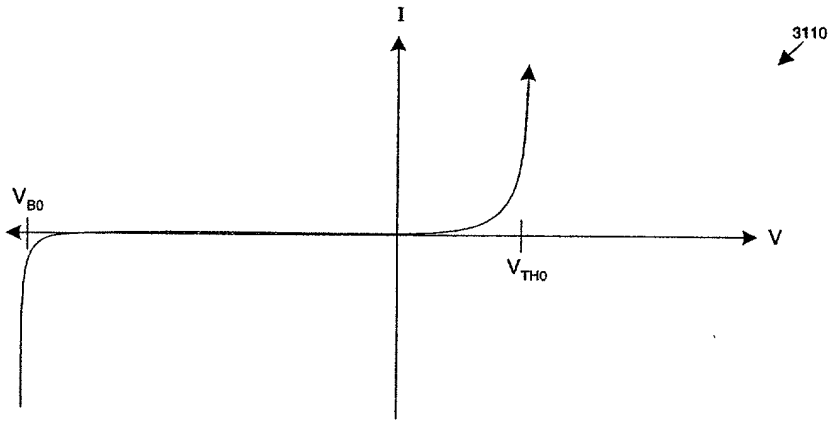


FIG. 32A

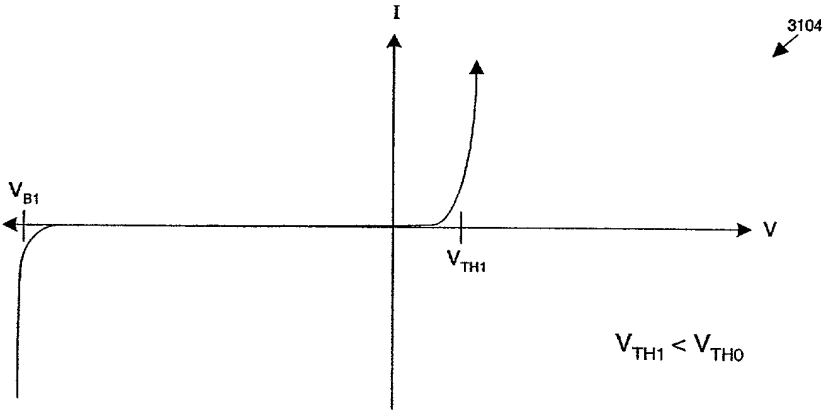


FIG. 32B

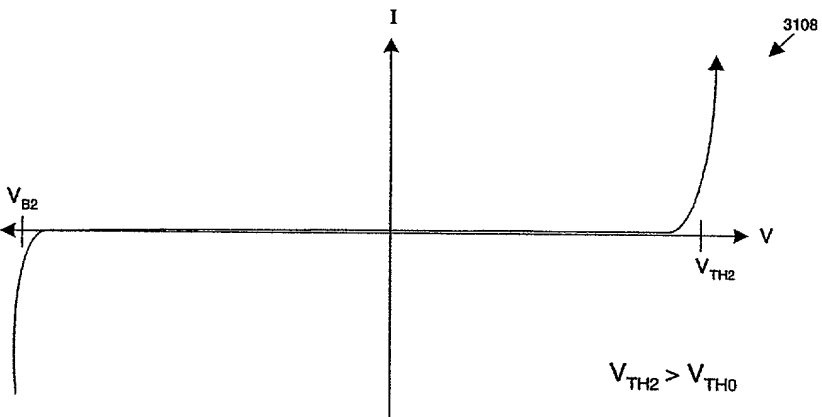


FIG. 32C

2025-03-20 09:52:00

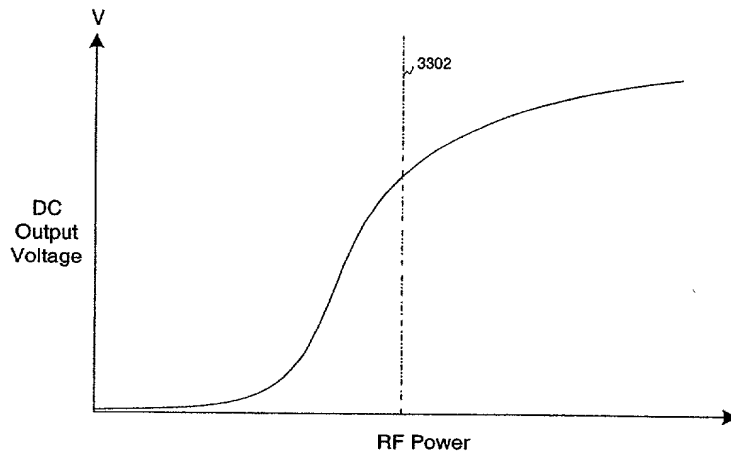


FIG. 33A

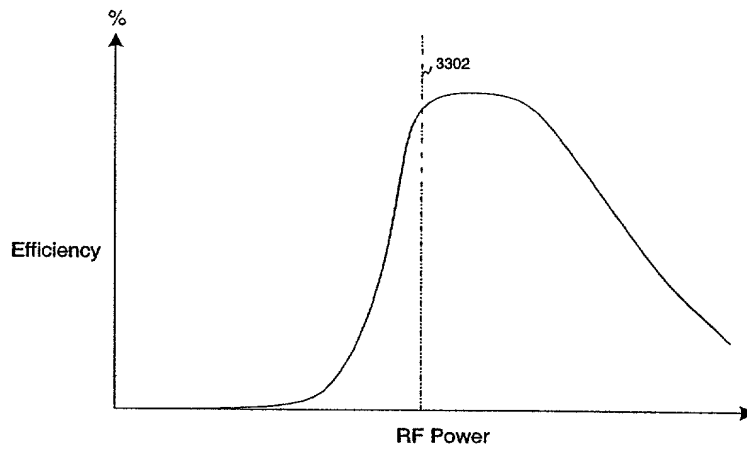


FIG. 33B

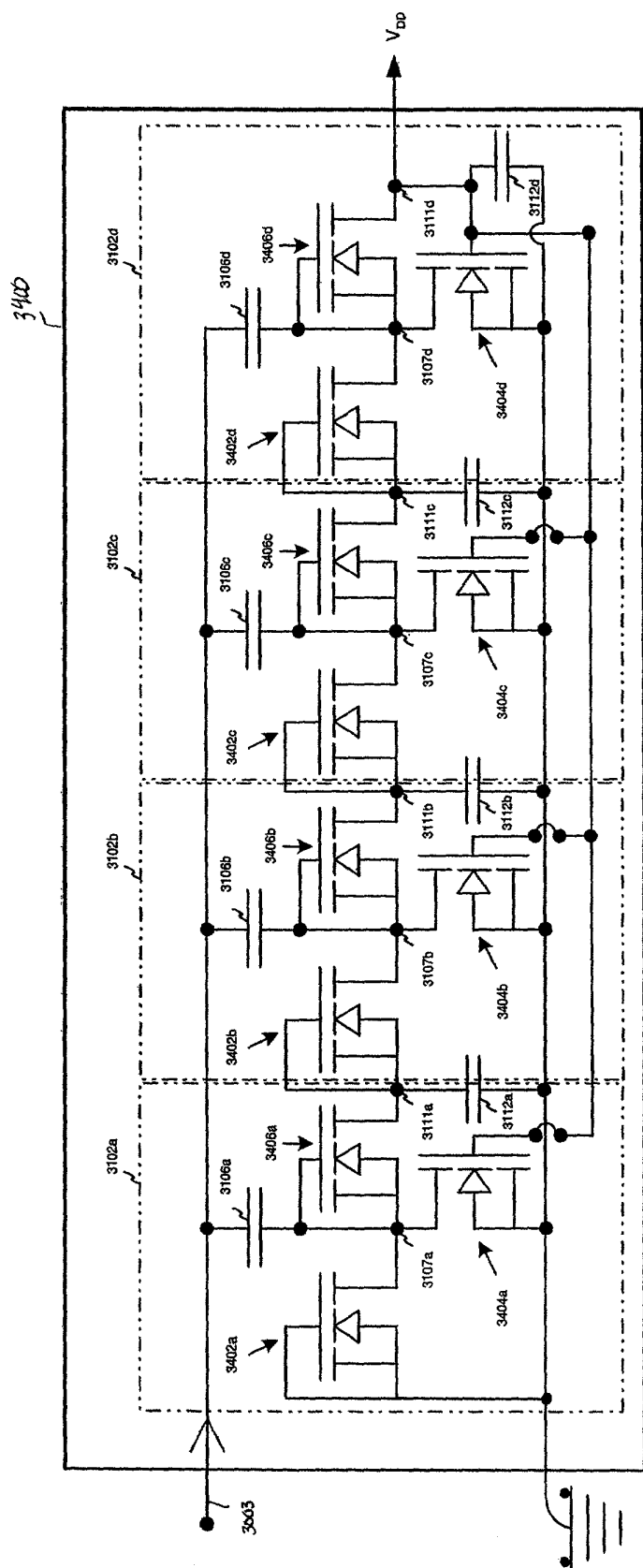


FIG. 34A

3400

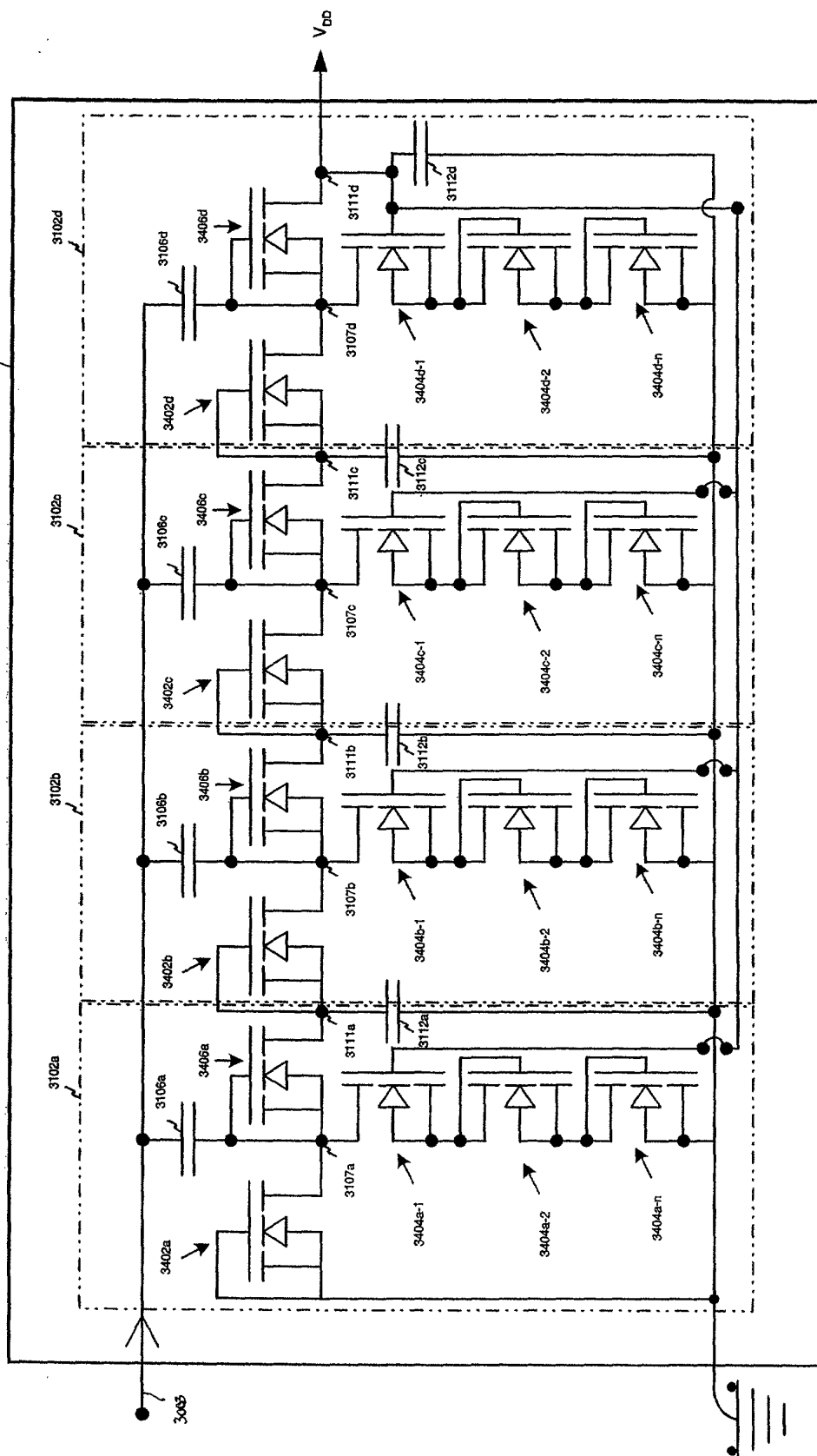


FIG. 34B

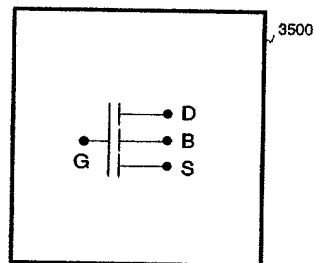


FIG. 35A

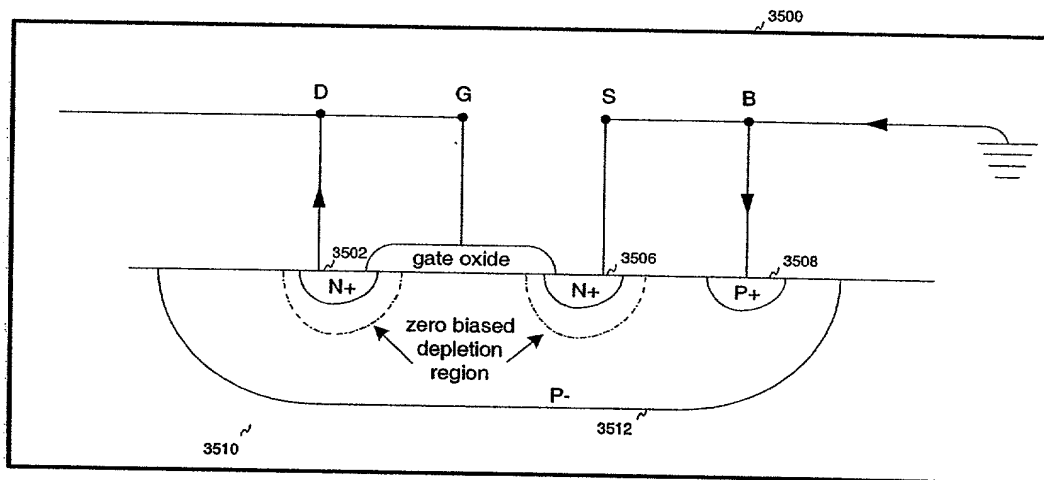


FIG. 35B

202120 0282007

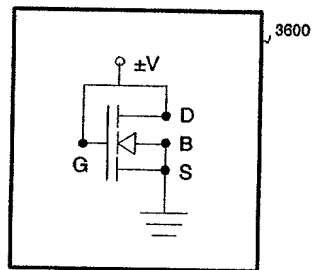


FIG. 36A

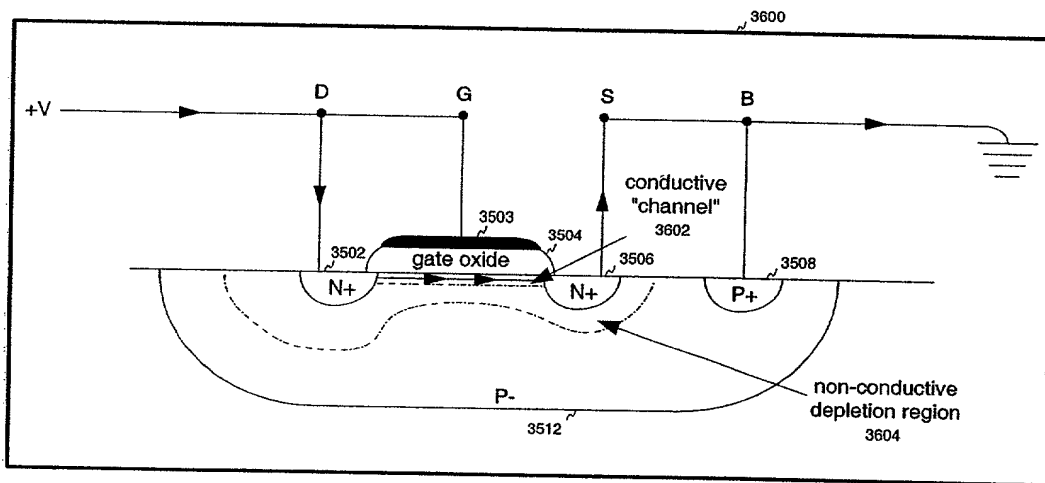


FIG. 36B

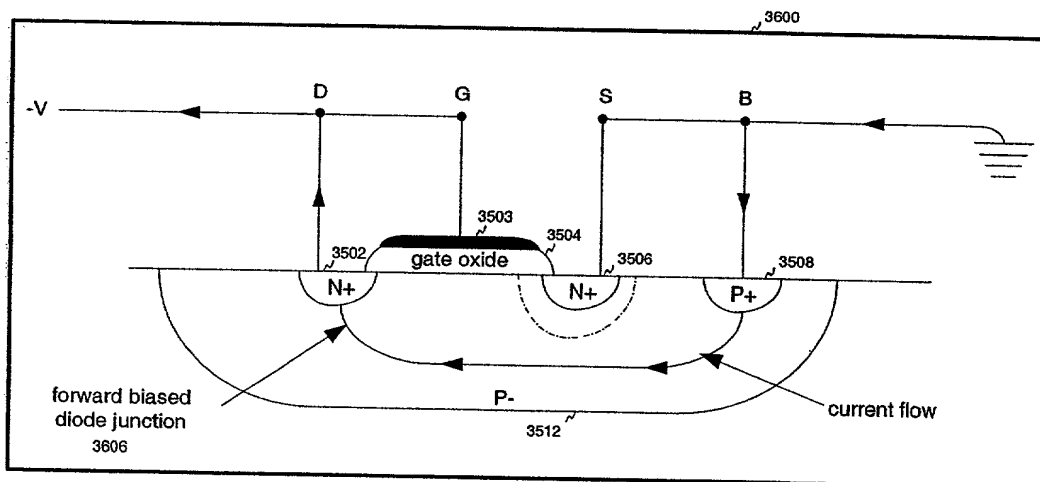


FIG. 36C

4007289 0/22/00T

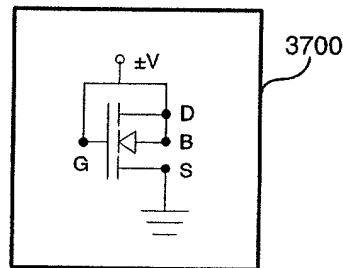


FIG. 37A

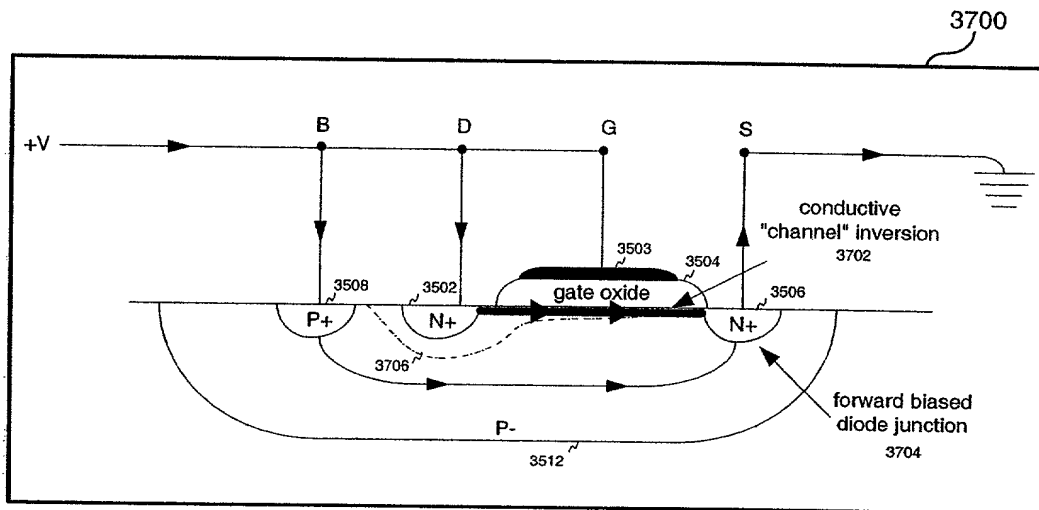


FIG. 37B

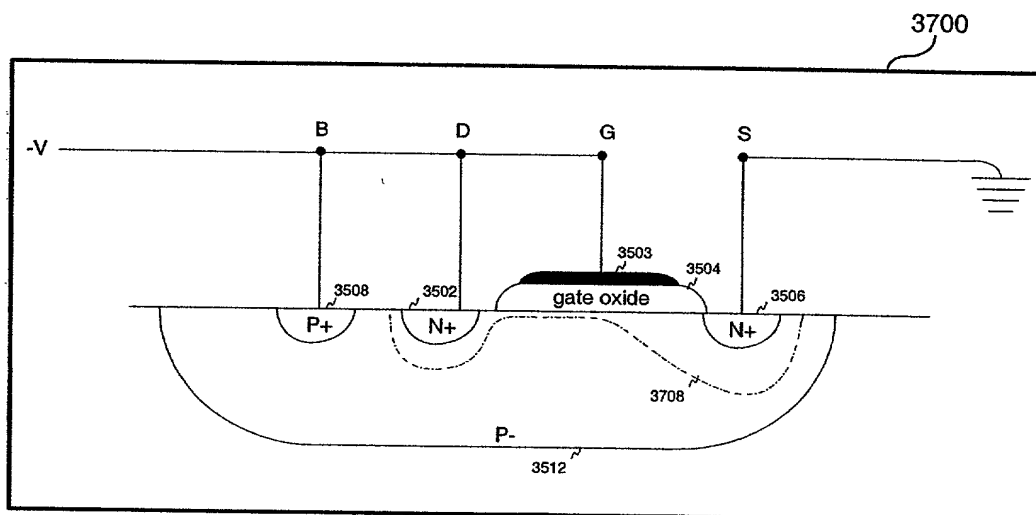


FIG. 37C

2025-04-22 09:00

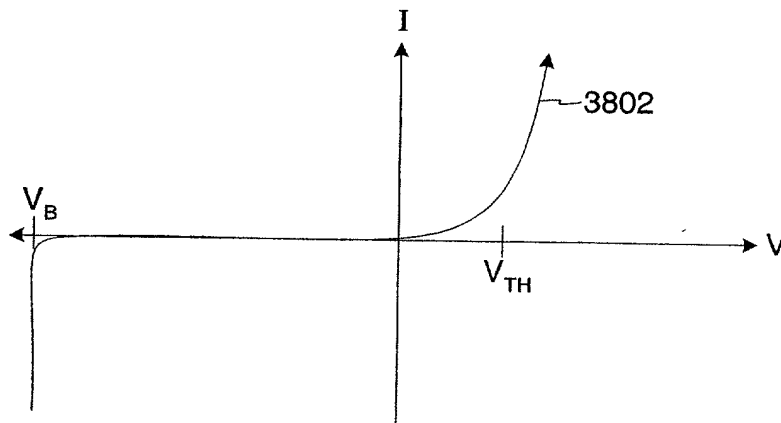


FIG. 38A

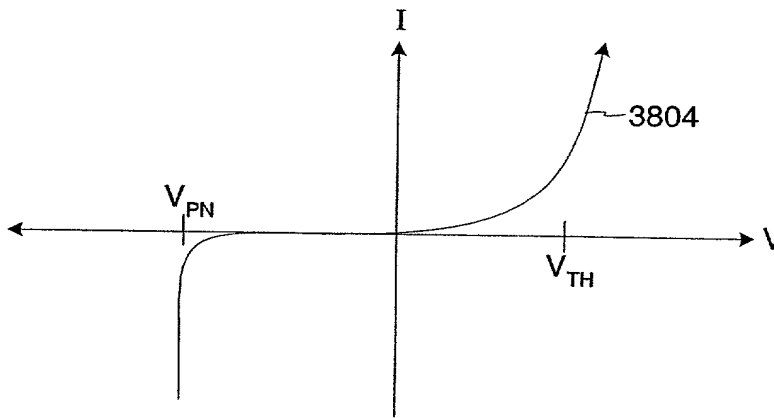


FIG. 38B

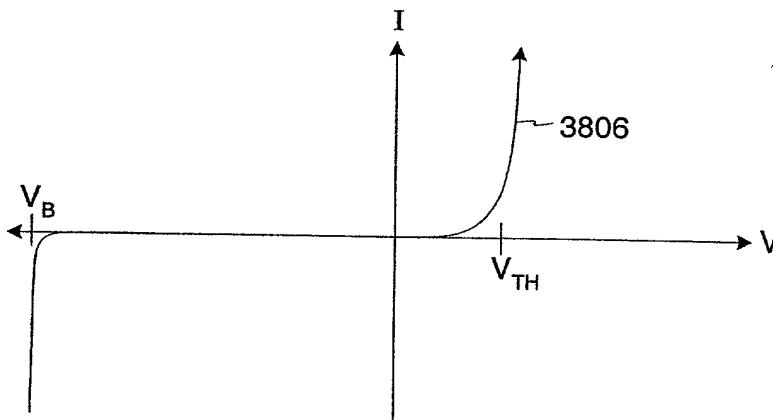


FIG. 38C

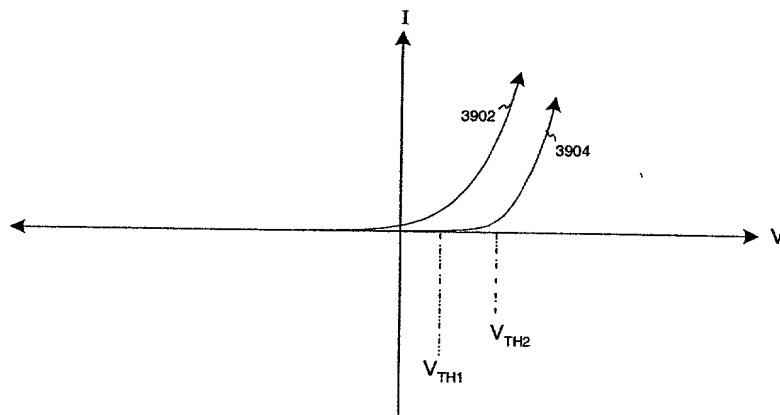


FIG. 39

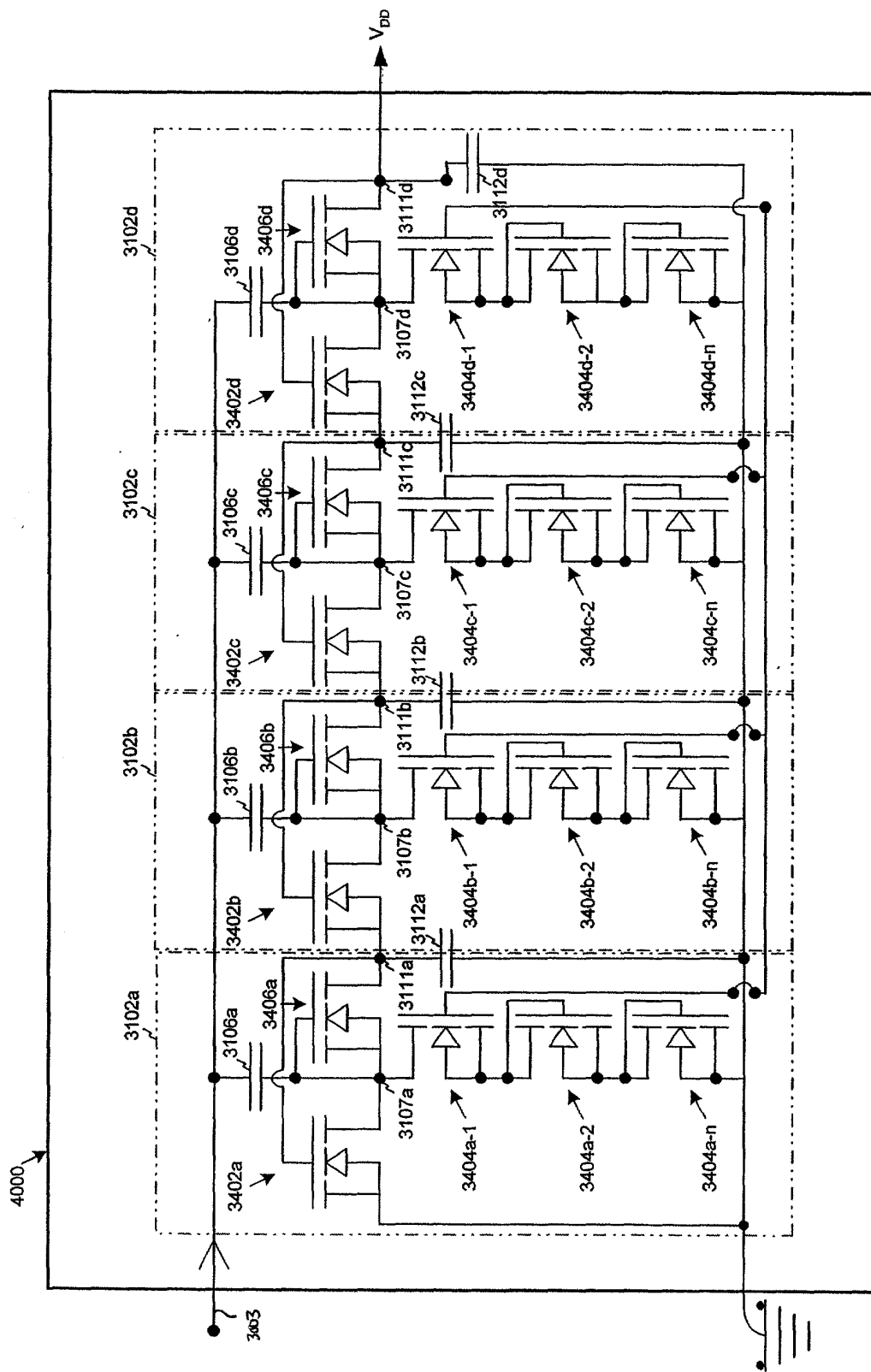


FIG. 40B

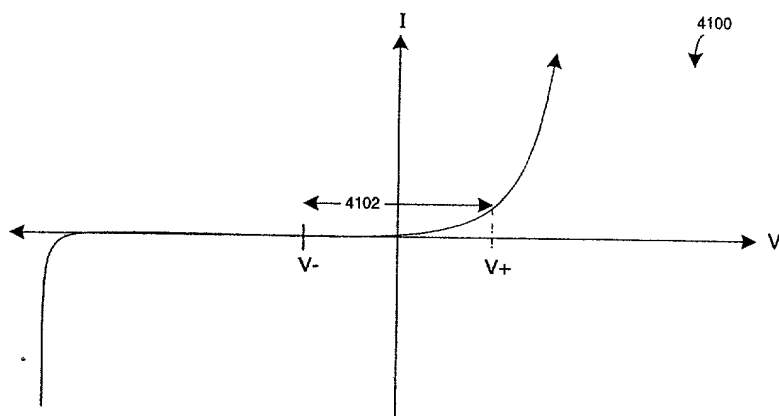


FIG. 41A

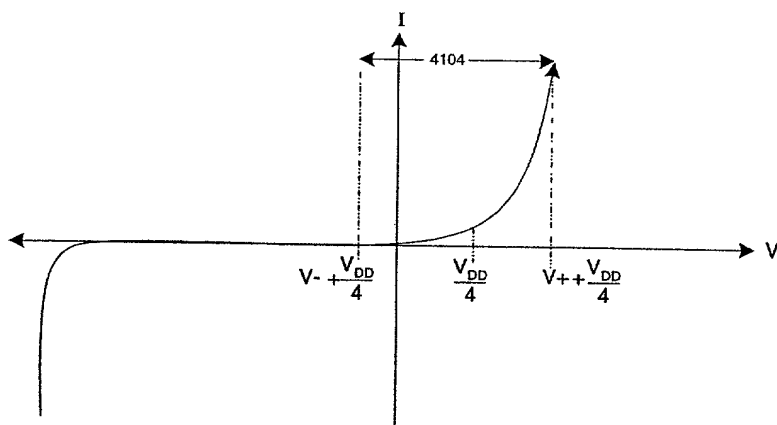


FIG. 41B

20240422/001

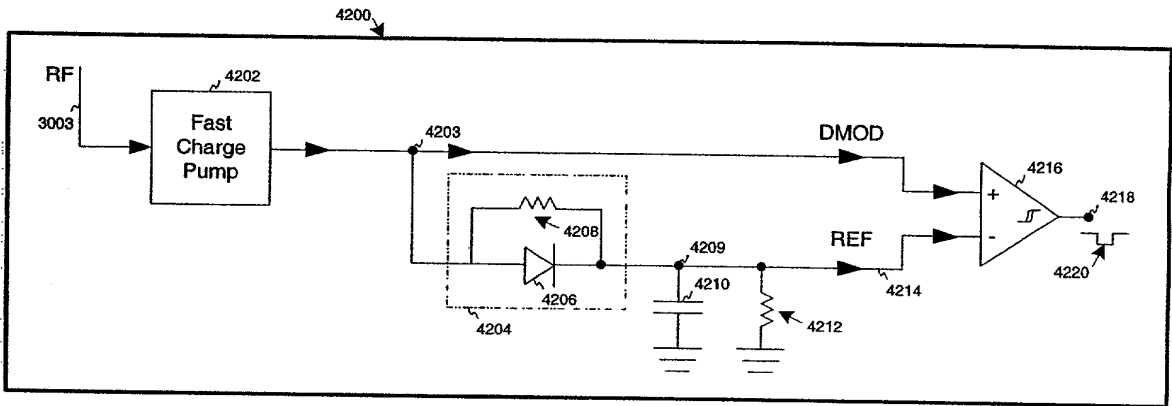


FIG. 42

2025 RELEASE UNDER E.O. 14176

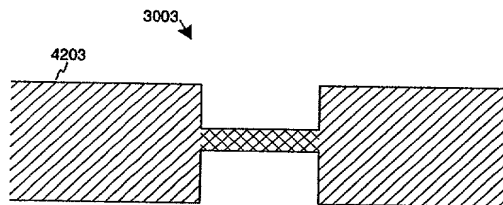


FIG. 43A

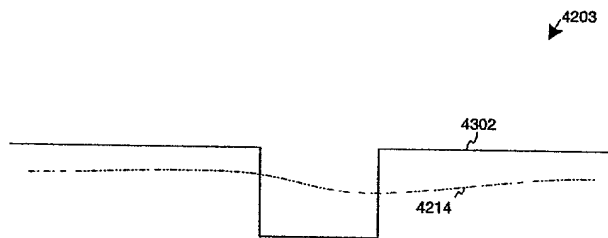
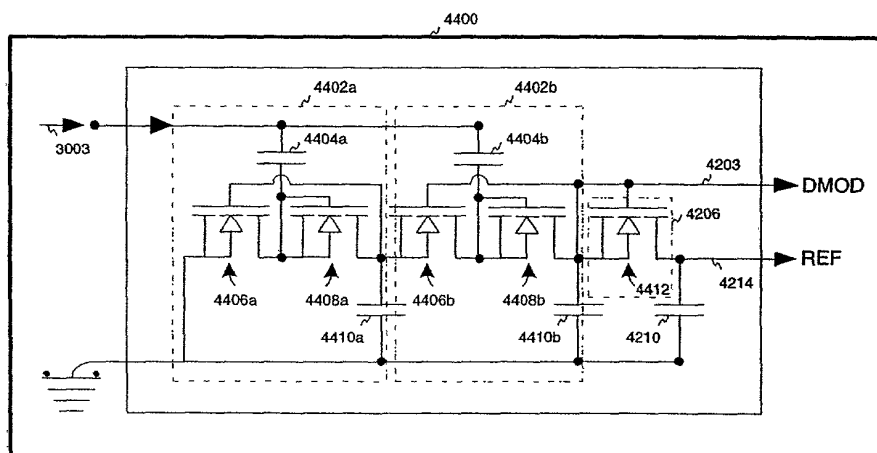


FIG. 43B

FIG. 44



2023-03-29 10:33:40

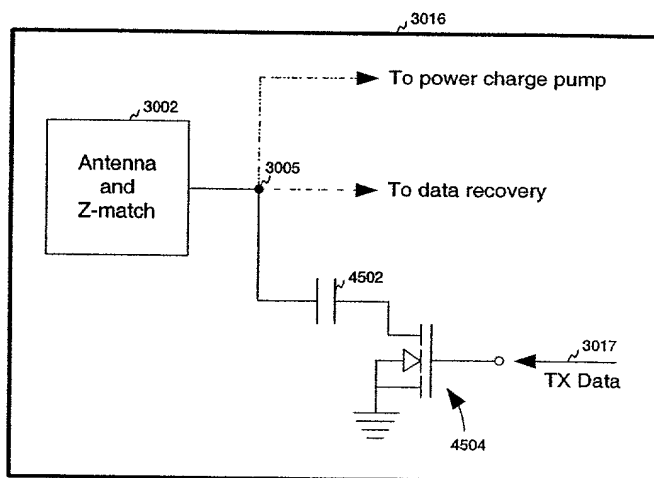


FIG. 45